Pricing in a Competitive Market

Preventive Copy-Preparation Cuts Costs

Screen Printing Borrows Lithographic Techniques

This Time-Clock System Works

Two Billion Holiday Cards Goal This Year

Modern Type Display—White Space and Margins

Typographic Scoreboard—Vogue

LEADING PUBLICATION IN THE WORLD OF OFFSET-LETTERPRESS PRINTING

the inland printer

Annual Directory Issue

DECEMBER 1955

BARFUSS

How Linotype Comets Save Time and Money

". . . greatest straight matter machine ever built . . . a life saver when our production demand nearly doubled!"

says Harry Eybers, Production Mgr.
WASHINGTON POST
Washington, D. C.

"In 18,000 hours of operation, it never lost an hour. . .produced nearly 11,000,000 slugs."

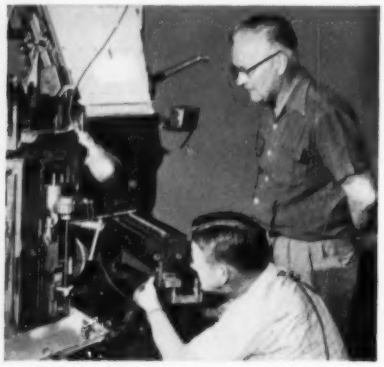
says L. R. McCoy, Mechanical Supt.
SOUTHERN NEWSPAPERS, INC.
Hot Springs, Arkansas

"Operation of the nine Comets made possible a reduction in typesetting machines from 28 to 25."

says L. H. Hendricks, Composing Room Supt.
UNION-TRIBUNE PUBLISHING CO.
San Diego, California

Harry Eybers, Production Manager of the Washington Post, checks a copy of his newspaper. The Post has 17 Comets to help meet deadlines, and "from the start of their installation," according to Mr. Eybers, "the operators expressed their feelings for the easiness of the machines' operation."

L. R. McCoy, Mechanical Superintendent of the Southern Newspapers, Inc., shown at one of his Comets, reports: "Replacement parts, other than matrices and bands, have cost us less than $100. Matrix costs per operating hour are less than one-half cent."



L. H. Hendricks, Composing Room Superintendent of the Union-Tribune Publishing Co., looks on as a machinist checks a Comet. The keyboard and front *both swing out* from the machine quickly and easily, and the keyrods are lifted out as a unit, opening the Comet for speedy lubrication and inspection.

Yes, publishers, machinists, printers, and operators who have had an opportunity to compare for themselves, acclaim the performance of the Comet as unbeatable in speed and ease of maintenance . . . for both manual and automatic operation.

Prove to yourself how profitable Comet production can be in your operation. Write to your Linotype Agency for full particulars.

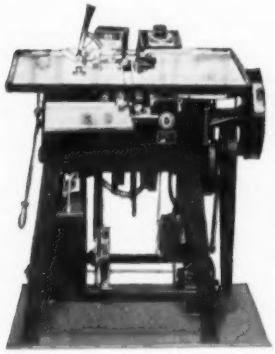
Mergenthaler Linotype Company, 29 Ryerson Street, Brooklyn 5, N.Y.

• LINOTYPE •

Set in Linotype Corona and members of the Spartan family

Agencies: Atlanta, Boston, Chicago, Cleveland, Dallas, Los Angeles, New York, San Francisco. **In Canada:** Canadian Linotype, Limited, Toronto, Ontario

LEADERSHIP THROUGH RESEARCH



Ludlow

Ludlow Universal Matrix Cabinet (right-hand pull)

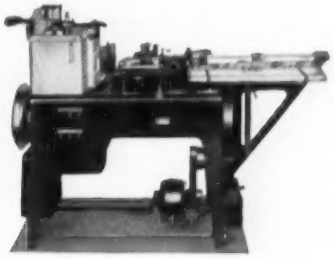
Ludlow Standard Matrix Cabinet (left-hand pull)

The Ludlow (illustrated above) produces slugline composition from 4 point to 96 point, also ruleforms. Advertising figures and alphabets up to 240 point are cast as individual characters lengthwise of the slug.

The Ludlow Universal Matrix Cabinet (shown in center above) accommodates all sizes of matrices, particularly large sizes, in normal case arrangement. Supplied either left or right-hand pull.

The Ludlow Standard Matrix Cabinet (shown at the left) meets most composing room requirements. Holds 20 cases; available in left or right-hand pull.

Elrod



The Elrod (shown at right above center) produces leads, slugs, rule and base material ranging in size from 1 point to 36 points. Elrod material is of uniformly high quality. Available with electric or gas crucible.

The Ludlow Supersurfacer (shown at the right above) facilitates high-quality printing on any paper stock, reducing press make-ready. It trims a micrometric skin-cut from the face as it is fed through.

The Ludlow Shell-Hi Slug Shear (shown at the right) shears the Ludlow slug shank from the slug-head, converting it to a one-line plate for use with shell-cast stereotypes, and for corrections and additions.

Ludlow Supersurfacer

Ludlow Shell-Hi Slug Shear

Ludlow Typograph Company 2032 Clybourn Avenue, Chicago 14

Set in members of the Ludlow Tempo family

NEW END-OPENING CARTON KEEPS WESTON PAPERS MILL FRESH

Zip, slip, flip. It's as easy as that now that Weston Papers come packed in this new end-opening carton.

Zip a few inches of tape and the carton end swings open. *Slip* out a ream or two — whatever you need for the job in hand. *Flip* and the carton is closed. The rest of the stock stays clean, protected, *mill fresh* until you're ready to use it.

New zip-open carton, new moisture-proof wrapping, new easy to read labels . . . these are plus features that add shop conveniences to the customer-pleasing qualities of any Weston paper. Make it a habit to recommend WESTON when the call is for all rag or rag content bond, ledger or index papers.

BOND PAPERS
Extra No. 1, 100% New Rag
OLD HAMPSHIRE BOND
100% Rag Content
DEFIANCE BOND
75% Rag Content
HOLMESDALE BOND
50% Rag Content
WINCHESTER BOND
LENOX BOND
25% Rag Content
WESTON BOND
WESTON OPAQUE BOND
MERIT BOND
MERIT OPAQUE
RESEARCH BOND

LEDGERS
Extra No. 1, 100% New White Rags
BYRON WESTON CO. LINEN RECORD
EVERDUR LEDGER
100% Rag Content
DEFIANCE LEDGER
75% Rag Content
WAVERLY LEDGER
CENTENNIAL LEDGER
50% Rag Content
WINCHESTER LEDGER
LENOX LEDGER
25% Rag Content
BLACKSTONE LEDGER
COURT LINEN LEDGER

MACHINE ACCOUNTING
50% Rag Content
WESTON'S MACHINE POSTING LEDGER
25% Rag Content
TYPACOUNT POSTING LEDGER

INDEX BRISTOLS
Extra No. 1, 100% New Rag
EVERDUR INDEX
100% Rag Content
DEFIANCE INDEX
50% Rag Content
WESTON'S MACHINE POSTING INDEX
LENOX INDEX
WINCHESTER INDEX
25% Rag Content
TYPACOUNT INDEX
MERIT INDEX

SPECIALTIES
100% Rag Content
WESTON'S DIPLOMA PARCHMENT
50% Rag Content
WESTON'S FINGERPRINT INDEX
Rag Content
WESTON'S HAND WEAVE
25% Rag Content
WESTON'S ONION SKIN
BYWESCO MANUSCRIPT COVER
SUPERIOR MANUSCRIPT COVER

BYRON WESTON COMPANY • Dalton, Massachusetts
Makers of Papers for Business Records Since 1863

DECEMBER 1955
Vol. 136 No. 3

The Inland Printer

THE LEADING PUBLICATION IN THE WORLD OF OFFSET-LETTERPRESS PRINTING

LETTERS TO THE EDITOR

For This, We Bow Deeply

Editor, *The Inland Printer*:

I almost never write editors but for some time I have been going to write you complimenting you, especially on the educational efforts *The Inland Printer* continually injects into each issue.

Typographic clinics have been good. Specimen Review is read and examples studied by several printers I know. But the most recent and perhaps the most important, is the printing of the articles or chapters on "Modern Type Display" by Mr. Frazier.

We have needed, for several years, a re-evaluation of fundamentals, an application of fundamentals, an application to present day typography of the basic aims for which each printing order is placed, as well as for its accomplishment.

Whether you influenced him to rewrite these articles and bring the compositor's and layout man's thinking down to a purposeful analysis of the use of type, I do not know. But, I believe, it was long overdue.

We need the technical information, too, but periodically *The Inland Printer*, in its role as teacher and informer, needs to forcefully straighten all of us out in the uses we can make of type, whether it be foundry, Monotype, linecasting slugs or photographic composition.

I for one wish to thank you for starting this series of articles by Mr. Frazier. The *IP* has been a "Brother's Keeper" in many ways over the years, informing, advising, and educating. It is almost an institution. I hope it continues indefinitely in the good work it has

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Manuscripts

The Inland Printer will accord manuscripts, photographs, drawings, etc., courteous attention and normal care, but cannot be held responsible for unsolicited contributions. Contributors should keep duplicate copies of all material sent in. Address all contributions to The Inland Printer, 79 West Monroe Street, Chicago 3, Illinois.

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ENTERED AS SECOND-CLASS MATTER, June 25, 1885, at the Post Office at Chicago, Illinois, under Act of March 3, 1879. Additional second-class entry at Long Prairie, Minn.

Associated Business Papers
Audit Bureau of Circulations
Magazine Publishers Assn.

Stickin' Around with KLEEN-STIK

For P.O.P. that's T-O-P!

You *just can't beat* KLEEN-STIK for Point-of-Purchase displays and labels! With its easy peel-'n-press method, it's a *natural* for getting extra "play" from dealers . . . and extra *attention* from customers. No wonder it's used by so *many* advertisers in so *many* clever ways:

Cheese "Tease"

Big as life and "twice as natural", this 3-dimensional taste-teaser tempts customers *right at the counter*. CHARLEY SCHLINGER and ROGER CASEBOLT of ARMOUR & CO., Chicago, got this bright idea . . . and worked it into a clever cut-and-fold piece. Two KLEEN-STIK strips hold it *tightly* in place on self-service refrigerator cases in stores. MAGILL-WEINSHEIMER, Chicago, printed it "inside out" on the *back* of Kromekote stock—saving the glossy side for the slick product reproduction in realistic color.

"Please, Mr. Motorist"

Des Moines's THRIFTWAY SUPER MARKETS didn't have to go far to round up *volunteers* to help spread this safety plea—they found 'em right at the check-out counters! Every customer with a car got one of these bright, bold KLEEN-STIK Bumper Strips to *keep* the message "rolling". Timed with school opening, the campaign was *highly* effective and made many friends for Thriftway, who did the art in their own Art Dept. Sharp printing job by GLAYSTON PRINTING CO. on KLEEN-STIK 65# Yellow Litho, all-over gummed.

To give your customers a *new angle* . . . a *new switch* . . . in P.O.P.—switch 'em to KLEEN-STIK! *You, too*, can produce outstanding window signs, shelf-edgers, back-bar signs, and *many* more. For full details on the wide variety of *swell* printing stocks plus your big *free* "Idea Kit", *write us today!*

KLEEN-STIK PRODUCTS, INC.

7300 West Wilson Avenue, Chicago 31, Ill.

Pioneers in Pressure Sensitives to the Trade

LETTERS TO THE EDITOR

(Letters to the Editor began on page 3)

always done for the men in the shop from the superintendent on down.

—G. Lynn Hollen, Graphic Arts Technical School, Minneapolis, Minn.

Dancing Dots Make Him Dizzy

Editor, *The Inland Printer*:

The August *IP* interested me not a little. It's a long time since I stood at the case, but I am always interested in the "Lesson of the Month for Compositors." Who am I to dispute your alteration to the copy printed. Why, oh why! the dots panelling "Lady Slipper"—it sure does cause my eyes to dance—in fact I've got spots before them. What it must be like in the larger edition, words fail. Please sir, take away the dots; then it might look like a job.

Am I right? Or have I lived so long through years of English austerity that I've succumbed to a partiality for the "plain" kind of composition, and don't like a reversion to the dots and dashes of other days.

—Claud E. Bird, Lewes, Sussex, England.

Wants to Reprint IP Article

Editor, *The Inland Printer*:

One of my particular monthly satisfactions is looking forward to a reading session with *The Inland Printer*. As an "old" newspaper man, I think that you do one of the finest all-around publication jobs in the graphic arts.

As you undoubtedly know, we send out a considerable amount of literature to educational institutions who are interested in the offset lithographic process. I like to provide them with very terse helpful hints wherever possible.

On page 64 of your September issue, you have 18 points for the preparation of paste-up copy in offset-lithography which, I believe, could be of some help to the educational institutions we reach.

I wonder if you would give me permission to reproduce these helpful hints and send them out with LNA's literature. We, of course, will give credit to your publication.

—Herbert W. Morse, Lithographers National Association, Inc., New York, N.Y.

Thinks IP Coverage Good

Editor, *The Inland Printer*:

I am sure that we all feel proud of our Association when we read of our accomplishments at our yearly conventions in the pages of *The Inland Printer*.

The Cincinnati convention of the International Association of Printing House Craftsmen, thanks to the general chairman, Lee Augustine, and its many committees, and to our trade journals for the splendid publicity given to the event, was perhaps the most outstanding affair of the year in the graphic arts.

Your reporting and coverage of the convention was the best ever. Thousands of your readers will benefit by your splendid reporting.

On behalf of the International and its 15,000 Craftsmen, I wish to extend to you and *The Inland Printer* our sincerest thanks.

—A. R. Tommasini, President, International Association of Printing House Craftsmen, Inc., Berkeley, California

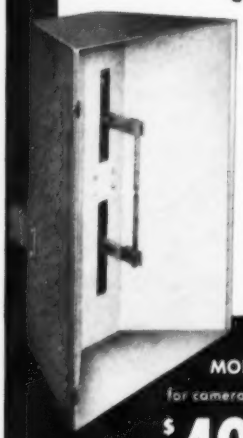
NEW!

REVOLUTIONARY ARC LAMP
Eliminates Bouncing and Sputtering!

nuArc

HI-LITE

WITH AUTOMATIC ARC CONTROL



for use with cameras and printing frames

MODEL H-66
for cameras through 31"
$495.00 per pair

Another first for the industry! Only the new nuArc Hi-Lite lamp comes with an exclusive, automatic arc control that eliminates bouncing and sputtering!

Constant powerful light gives uniform intensity and color temperature — assures perfect dot structure and line definition.

The Hi-Lite is equipped with many other up-to-date features. Truly revolutionary from the standpoint of efficiency, economy and construction. You'll be convinced when you use it!

30-DAY TRIAL OFFER

Use a Hi-Lite lamp for 30 days. If after this period you find that you can get a superior lamp for the same low price, we will gladly permit its return for full credit.

Three models to suit your needs. Write now for Bulletin No. 600P.

nuArc Company, Inc.

General Offices and Factory:
824 S. Western Ave., Chicago 12, Ill.
Eastern Sales and Service:
215 Fourth Ave., New York 3, N. Y.

Introducing...

JAVELIN

Coated Offset

Another coated offset by Champion, manufacturers of

Wedgwood Coated and Templar Coated Offset

With the addition of Javelin Coated Offset, Champion now offers a complete line of coated papers made especially for offset lithography. For a multi-purpose utility sheet, the new Javelin Coated Offset is outstanding in value and economy—consistent in quality and performance.

Templar Coated Offset has exceptional blue-white brightness and smooth surface . . . a perfect background for brilliant reproductions of rich contrasts and sharp detail.

And of course, for truly distinctive offset lithography, Wedgwood Coated Offset is the standard of the industry. Its unusually bright color and smooth surface provide an excellent basis for reproductions of matchless beauty, vibrancy and depth.

Whatever your paper needs, you'll find precisely the right grade for the job in Champion's wide range of quality coated offset papers. For samples of all three grades write:

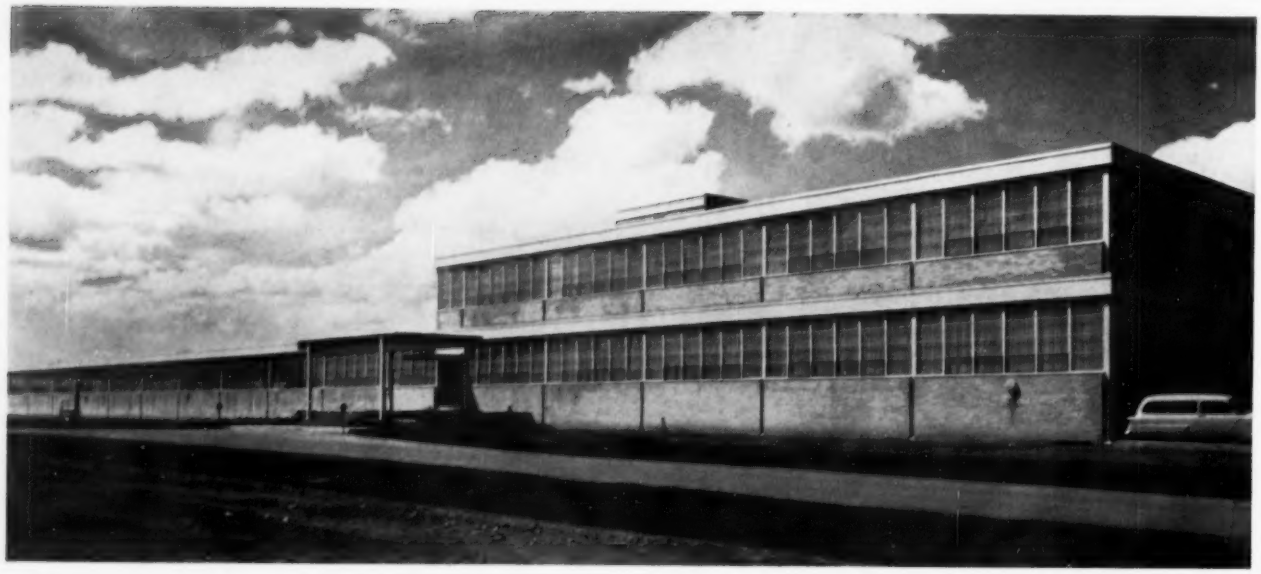
CHAMPION PAPERS ®

ADVERTISING DEPARTMENT

THE CHAMPION PAPER AND FIBRE COMPANY

HAMILTON, OHIO

District Sales Offices in New York, Chicago, Philadelphia, Detroit, St. Louis, Cincinnati, Atlanta, Dallas, and San Francisco. Distributors in every major city.

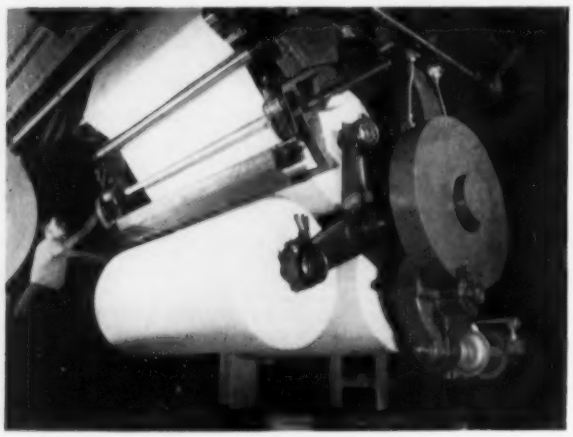


40 million 8¼ x 11-inch pages per day. That's the capacity of the 11-unit **Hoe** shown here. It's the heart of the new plant just completed by The Photoengravers & Electrotypers Ltd. of Toronto, Canada. A hard-working heart, custom-built by **Hoe.**

Called "the most modern rotogravure equipment in North America," the 11-unit, 3-folder press can print three entirely separate publications simultaneously (all three in monotone, or two in monotone and one in color). Four colors can be run off on *both sides* of the paper at one time, employing the entire press.

Such huge quantities of paper are used that this latest **Hoe** press utilizes special precautions to protect it. For example: printing just one mail order catalog on this press, Photoengravers and Electrotypers Ltd. uses enough paper to make a six-foot path from Toronto to Bagdad *and back!*

This installation graphically illustrates the ability of **Hoe** Rotogravure presses to produce huge editions of mail order catalogs, newspaper comics, supplements and magazine sections at high speeds without sacrificing quality. The most exacting requirements, both of monotone and multicolor work are met.



AT 1,200 FEET PER MINUTE a continuous supply of paper is fed to the high speed rotogravure unit by **Hoe** full speed reel, tension and paster.

R. HOE & CO., INC.

910 East 138th Street New York 54, N. Y.
BRANCHES: BOSTON • CHICAGO • SAN FRANCISCO
BIRMINGHAM • PORTLAND, ORE.

11 UNIT HOE GRAVURE PRESS

INSTALLED AT NEW PLANT OF PHOTOENGRAVERS AND ELECTROTYPERS LTD.—TORONTO

Boots by U. S. Rubber

ACCENT ON WHITE...

There are almost as many *shades* of white as there are grades of paper. And few will ever agree on which is best. Usually the final decision is made on the basis of how good it makes printed halftones appear. Whiteness controlled for outstanding halftone printability is just one of the many fine qualities you'll find in Kimberly-Clark papers. Every sheet is engineered to meet the demands of modern printing, with a careful balance of dimensional stability, opacity, strength and finish—to give you maximum printability and runability!

If you're a modern, progressive printer, it will pay you to look to Kimberly-Clark Printing Papers. We're as close to you as your nearest distributor!

• • •

for Modern Lithography . . . Prentice Offset Enamel Lithofect Offset Enamel • Shorewood Coated Offset Fontana Dull Coated Offset.

for Modern Letterpress . . . Hifect Enamel • Crandon Enamel • Trufect Coated Book • Multifect Coated Book.

Kimberly Clark

COATED PRINTING PAPERS

Kimberly-Clark Corporation • Neenah, Wisconsin

Lanston M-H

plate-making equipment

1 M-H Overhead Motor-Focusing, Color-Precision Camera is designed to meet requirements of Lithographic, Offset and Gravure Printers. Embodies many new and practical features.

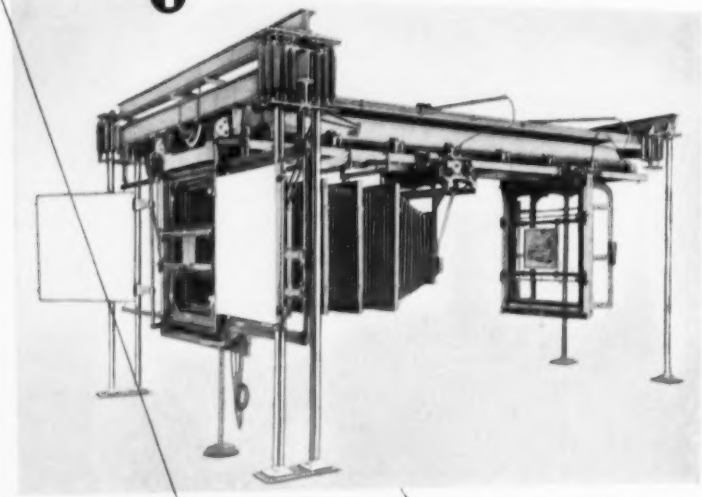
2 M-H Precision Photo-Composing Machine insures close precision in registering negatives for single- and multi-color process work in lithographic offset and gravure plate-making.

3 M-H Universal Process Machine. Small photo-composing machine capable of registering multiple or combination negatives with the closest precision.

4 M-H Vertical Plate-Coating Machine introduces a new fundamental principle in coating press plates. Produces uniform, evenly distributed, sensitized coatings more quickly and economically than horizontal type machines.

5 M-H Vertical Register Device. Together with the M-H Hi-Speed Negative Holder these afford the means of obtaining perfect register and even values for successive negatives of the same subject.

1



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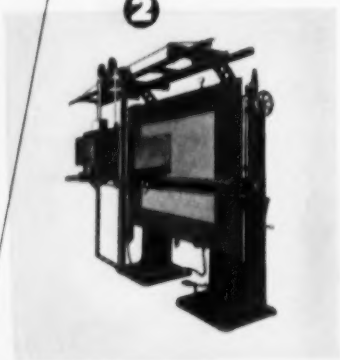


Send for folder "Plate Making Equipment," which more fully describes and illustrates these Monotype machines.

4

5

3

Lanston Monotype Machine Company

24th and Locust Streets • Philadelphia 3, Pennsylvania

BRANCH OFFICES: 332 Healey Building, 57 Forsyth Street, N.W., Atlanta 3, Georgia • 80 Federal Street, Boston 10, Massachusetts • 216 West Jackson Boulevard, Chicago 6, Illinois • 441 Lexington Avenue, New York 17, N. Y. • IN CANADA: Monotype Company of Canada, Ltd., 4th Floor, 77 York Street, Toronto 1, Ont., Canada • ALSO REPRESENTED BY: Roberts & Porter, Inc., 555 West Adams Street, Chicago, Ill. • A. E. Heinsohn, Inc., 1443 Blake Street, Denver, Colorado.

simple formula for satisfying your chemical needs...

YOU'LL FIND LITH-KEM-KO DEALERS EVERYWHERE

Yes, in almost every important city in the United States and Canada, there's a LITH-KEM-KO dealer ready to serve you quickly and efficiently with all the fine chemicals produced under the LITH-KEM-KO label. There's a dealer near you — look at the list below — you'll need look no further for the best in lithographic chemicals.

AKRON, OHIO
Metzger Photo Supply Co. 1091 So. Main St.

ALBUQUERQUE, N. MEX.
Jones Graphic Products Co., 320 Broadway S.E.

ATLANTA, GEORGIA
Southern Graphic Art Supply Co. 196 Alexander St. N.W.

BALTIMORE, MD.
Interchemical Corp. 720 E. Pratt St.
Roberts & Porter, Inc. 5 So. Gay St.

BATON ROUGE, LA.
Southern Litho Plate & Graining Co. 3788 Plank Road

BOSTON, MASS.
Bridgeport Eng. Supply Co. 287 Atlantic Ave.
Roberts & Porter, Inc. 88 Broad St.
W. Oliver Tripp Co. 222 Columbus Ave.

BUFFALO, N. Y.
Interchemical Corp. 77 Dingens St.

CAMBRIDGE, MASS.
Interchemical Corp. 175 Albany St.

CHARLOTTE, N. CAR.
George R. Keller Co. 208 W. Griffith St.

CHICAGO, ILL.
Bridgeport Eng. Supply Co., 900 N. Franklin St.
Sun Supply Co. 1215 W. Washington Blvd.
Interchemical Corp. 161 W. Harrison St.
Norman-Willets Graphic Supply Co. 318 W. Washington St.
Roberts & Porter, Inc. 558 W. Adams St.

CINCINNATI, OHIO
Sun Supply Co. Walnut & Third St.
Interchemical Corp. 417 E. Seventh St.
McKinley Litho Supply Co., Inc. 1623-39 John St.
Roberts & Porter, Inc. 229 East Sixth St.

CLEVELAND, OHIO
Braden-Sutphin 3800 Chester Ave.
Bridgeport Eng.Supply Co. 1051 Power Ave.
Capitol Printing Ink Co. 2372 W. 7th St.
Roberts & Porter, Inc. 1825 East 18th St.
Sun Supply Co. 310 Lakeside Ave.
Interchemical Corp. 1325 W. 73 St.

COLUMBUS, OHIO
Yaeger Offset Supply Co., Inc. 162 North Sixth St.

DALLAS, TEXAS
Chemco Photoproducts 3024 Main St.
Interchemical Corp. 1501 Turtle Creek Blvd.
Litho Offset Supply Co. 1122 Jackson St.
Lone Star Litho Supply Co. 2808 Elm St.
Offset Plate Graining Co. 1601 Browder St.

DENVER, COLO.
A. E. Heinsohn 1443 Blake St.

DES MOINES, IOWA
Capitol Printing Ink Co. 821 Third St.

DETROIT, MICH.
Alco Ink & Supply Co. 925 E. Woodbridge St.
Interchemical Corp. 222 W. Larned St.
Roberts & Porter, Inc. 1025 Brush St.

FORT WORTH, TEXAS
General Ptg. Ink. 2506-10 Tillar St.

HAVANA, CUBA
National Paper & Type Co. of Cuba, S.A. Calzada Del Cerro 1254

HONOLULU, T. H.
California Ink Company, Inc. 235 Cook St.

HOUSTON, TEXAS
Hi-Speed Litho Supply Co. 2723 Yale St.

KANSAS CITY, MO.
Ace Composition Supply Co. 931 W. 27th St.
Cornell & Everett 714 Baltimore Ave.
Roberts & Porter, Inc. 1434 Wyandotte St.

LITTLE ROCK, ARK.
Southern Litho Supply 3000 Lewis St.

LONG ISLAND CITY, N. Y.
Sun Supply Co. 10th St. & 44th Ave.

LOS ANGELES, CALIF.
Barker Products 1333 S. Main St.
California Ink Company 2939 E. Pico Blvd.
Roberts & Porter, Inc. 344 N. Vermont Ave.
General Ptg. Ink 2458 Hunter St.
Walter W. Lawrence, Inc. 4322 W. Pico Blvd.

MEXICO D. F., MEXICO
Cia Nacional de Maquinaria Grafica S.A. de C.V. Bolivar 235-237

MIAMI, FLA.
Miami Litho Supply Co. 2730 N.W. 2nd Ave.

MILWAUKEE, WISC.
Interchemical Corp. 105 E. Melvina St.

MINNEAPOLIS, MINN.
Automatic Litho Supply 1401 S. 3rd St.
T. K. Gray, Inc. 1081½ Hennepin Ave.
Litho Supply Depot 729 S. 4th St.

MONTREAL, Quebec, Canada
Canada Printing Ink Co., Ltd. 8490 Jeanne Mance St.
Canadian Fine Color Co., Ltd. 905 Old Orchard Ave.

NASHVILLE, TENN.
Interchemical Corp. 801 McGavock St.
Southeastern Printing Ink, Inc. 1307 Division St.

NEENAH, WISC.
Interchemical Corp. 318 First St.

NEW ORLEANS, LA.
Chemco Photoproducts 534 Natchez St.

NEW YORK CITY, N. Y.
Bridgeport Eng. Supply Co. 525 W. 33rd St.
Interchemical Corp. 436 11th Ave.
Alfred E. Metzger 30 Irving Place
Roberts & Porter, Inc. 622-626 Greenwich St.
J. H. & G. B. Siebold, Inc. 150 Varick St.

NORWOOD, MASS.
General Printing Ink 601 Pleasant St.

OKLAHOMA CITY, OKLA.
Interstate Litho Plate Graining Co. 615 N. Eastern

PHILADELPHIA, PA.
C. A. Edwards, Jr., Inc. 1934 Arch St.
Sun Supply Co. 29 N. Sixth St.
Interchemical Corp. New Market St. & Germantown Ave.
Phillips & Jacobs 622 Race St.
Roberts & Porter, Inc. 1205 Hamilton St.

PORTLAND, ORE.
California Ink Company 1208 N. W. Hoyt St.

PHOENIX, ARIZ.
California Ink Co. 809 N. 21st Street

ROCHESTER, N. Y.
Interchemical Corp. 89 Allen St.

ST. LOUIS, MO.
Niesmann Graphic Arts Supply Co. 2714-16 Pestalozzi St.

SALT LAKE CITY, UTAH
California Ink Company 60 S. Second East St.

SAN ANTONIO, TEXAS
Texas Type Foundry 230 N. Medina St.

SAN FRANCISCO, CALIF.
California Ink Company 545 Sansome St.
Roberts & Porter, Inc. 1185 Howard St.
General Ptg. Ink 1425 Folsom St.

SEATTLE, WASH.
California Ink Co. 1727 S. Alaskan Way

SYRACUSE, N. Y.
Interchemical Corp. 1034 W. Fayette St.

TACUBA, D.F., MEXICO
Fuchs & Lang de Mexico, S.A. de C.V. Esquina Mariano Escobedo y Mar Adriatico 66

TORONTO, Ontario, Canada
Canada Printing Ink Co., Ltd. 15 Duncan St.
Canadian Fine Color Co., Ltd. P. O. Box 82 Postal Station D

TULSA, OKLA.
Brittco Supply Co. 310 E. 4th St.

VANCOUVER, B. C., Canada
Canada Printing Ink Co., Ltd. 822 Homer St.

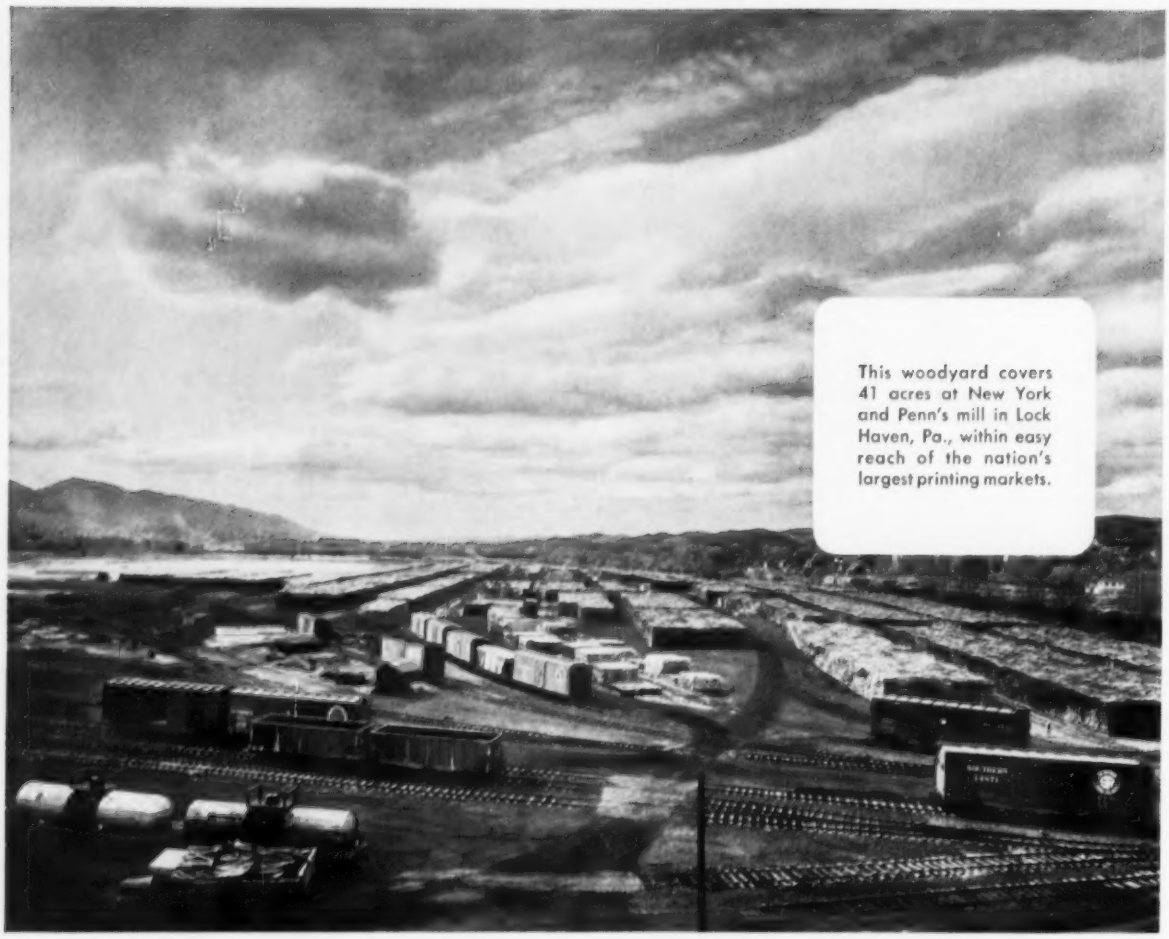
WASHINGTON, D. C.
Capitol Printing Ink Co., Inc. 806 Channing Place, N. E.
Interchemical Corp. 132 "G" St., N. E.
Phototechnical Laboratories, Inc. 1812 DeSales Now, N.W.

WINNIPEG, Manitoba, Canada
Canada Printing Ink Co., Ltd. 496 Hargrave St.

LITH-KEM-KO REPRESENTATIVES
Mr. Don Grant 1140 Ontario St., Oak Park, Illinois
Mr. Albert R. Materozzi 9604 Avenel Rd., Silver Springs, Md.
Mr. Raymond A. West 718 E. Valencia Ave., Burbank, Calif.
Mr. Charles Witharm 1213 Glenwood Drive, Irving, Texas

LITHO CHEMICAL & SUPPLY CO., INC.
46 HARRIET PLACE
LYNBROOK, L. I. NEW YORK

LITH-KEM-KO PRECISION INTERNATIONAL UNIFORMITY



GREAT PAPERS FROM LITTLE ACORNS GROW

Oak is just one of the woods that New York and Penn farms for its harvest of fine papers. And because New York and Penn produces 80% of its own pulp you can be sure that their natural resource larder is never empty. Tomorrow's paper crop is already growing in scientifically-managed New York and Penn woodlands and on the lands of nearby independent tree farmers.

Small-mill flexibility combined with big-mill efficiency and savings are all part of New York and Penn's scientific management that extends all the way from seedling to finished paper. This attention to detail at every step of the way is reflected, too, in New York and Penn's ability to satisfy (with savings) not only the needs of some of the nation's leading magazines, paper merchants and printers, but the equally special and exact needs of smaller users, too.

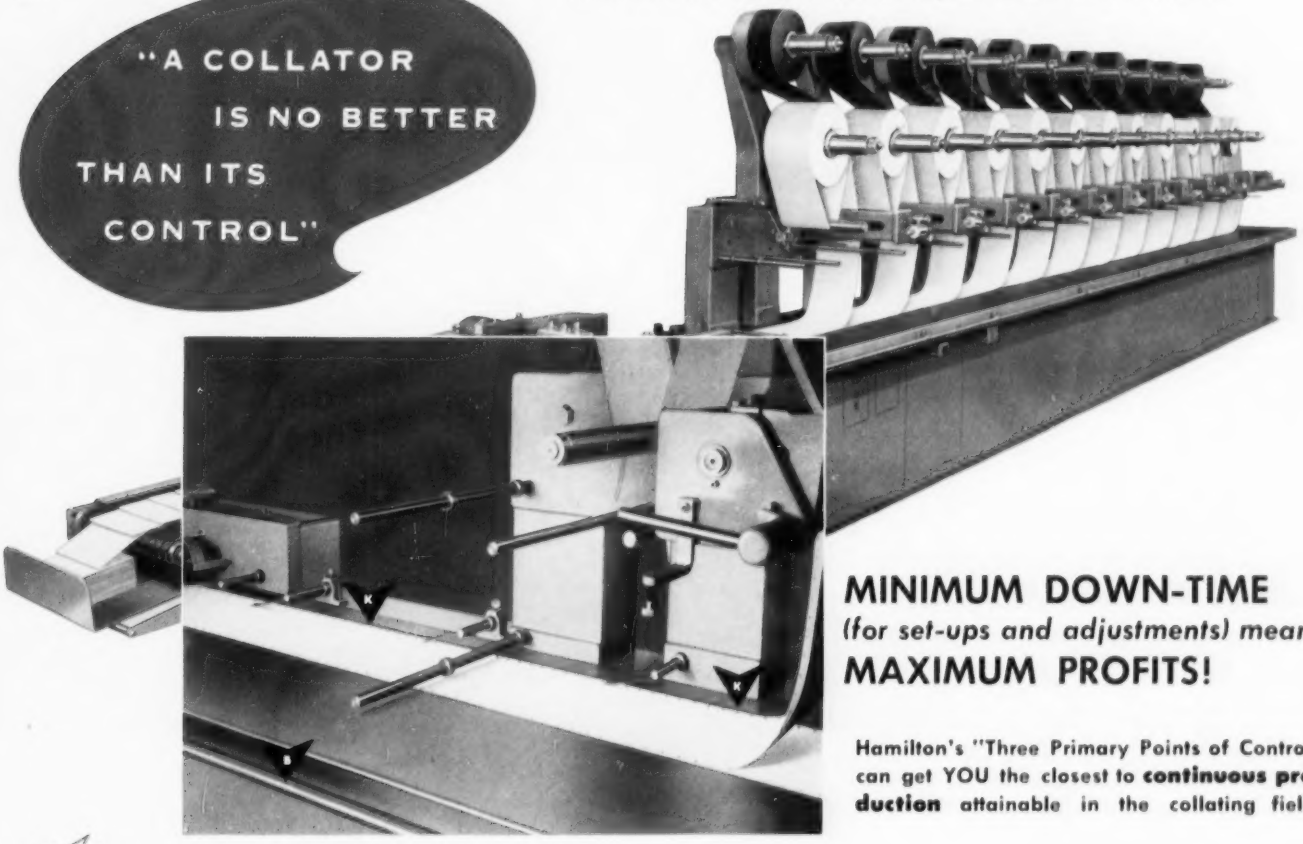
Magazine papers? Book papers? Offset papers? . . . yes, all these and others benefit from N. Y. and Penn's 65 years of paper-making experience. You, too, can profit—materially—from this experience. If you have a special paper or cost problem, it will pay you to get the whole N. Y. and Penn story—today. Ask your merchant. Or phone MUrray Hill 6-6090. New York & Pennsylvania Co., 230 Park Ave., New York 17.

New York and Penn

Pulp and Paper Manufacturers

Super • English Finish • Eggshell • English Finish Litho • Offset • Music • Bond • Tablet • Duplicator • Mimeograph • Drawing • Imitation Press Board • and other specialty grades

"A COLLATOR IS NO BETTER THAN ITS CONTROL"



MINIMUM DOWN-TIME
(for set-ups and adjustments) means
MAXIMUM PROFITS!

Hamilton's "Three Primary Points of Control" can get YOU the closest to continuous production attainable in the collating field!

NO. 3 CONTROL POINT

• • • Full-Length-Continuity Web Control

a One continuous pin-band (K), presenting an uninterrupted series of pins, invariably gaining and retaining control of the webs.

b "Full-Length" pin-band control . . . the webs are positively engaged for approximately 90% of unwound length, virtually until collation is complete.

c Inherently, the gentlest treatment and smoothest engagement of web holes by band pins available in the industry . . . the web has no tension while on the control band.

d Any collating hole spacing that is accurate enough for consumer use can be run on a Hamilton collator without any difficulty whatsoever. This is assured by the precision-spacing of the pins in the control band.

e A "full-length" switch bar (B), enabling the operator to start and stop the collator at any point along the operator's side.

Hamilton Collators' No. 1 and No. 2 Control Points were outlined in preceding advertisements and a summarization will be presented in the succeeding advertisement.

FOLLOW THIS SERIES

Learn the reasons for the outstanding performance of Hamilton Collators

LEADERSHIP
THROUGH PIONEER RESEARCH

PRECISION BUSINESS FORM MACHINERY

The **HAMILTON** TOOL COMPANY
900 HANOVER ST., HAMILTON, OHIO

PRINTING, PUBLICATION AND CONVERTING PAPER DIVISION
ST. REGIS
PAPER COMPANY
SALES SUBSIDIARY – ST. REGIS SALES CORP.
Printing
ST. REGIS
Imperial ENAMEL
Cellulose OFFSET ENAMEL
CELLUPRINT
For letterpress
"fine papers for fine printing"

FROM A SINGLE SOURCE....

A Wider Range of Grades for a Wider Range of Jobs.

ST. REGIS

St. Regis' fine papers for fine printing are backed by Performance Records.

Uncoated Book Papers **Coated Book Papers**

Uncoated Printing Papers **Coated Printing Papers**

Enamel Printing Papers

PRINTING, PUBLICATION AND CONVERTING PAPER DIVISION

ST. REGIS PAPER COMPANY

SALES SUBSIDIARY ST. REGIS SALES CORPORATION

230 PARK AVENUE, NEW YORK 17, N. Y.

A series of exhibition pieces demonstrating fine paper for fine printing is available. See your St. Regis representative.

every word in this product name means an extra benefit for you . . .

ANSCO REPROLITH ORTHO TYPE B THIN BASE FILM

In the graphic field, Ansco's product names tell the story of definite advantages to you, your workmen and your customers. Reprolith Ortho Type B Thin Base Film, for example:

ANSCO

. . . name of America's oldest manufacturer of photographic materials. Means products on which you can depend for uniform high quality.

REPROLITH

. . . famous name in the graphic arts. Means wide latitude . . . high contrast . . . clarity in white areas . . . excellent dot etching qualities.

ORTHO TYPE B

. . . means full orthochromatic sensitivity with high speed—properties which allow important time savings in the camera or in printing frames and permit the use of filters to improve copy rendition and reduce handwork on negatives.

THIN BASE

. . . means you have a special-purpose film for halftone positives . . . overlays and lateral reversals. The low-shrink safety base is only .0035" thick.

Ask for Ansco Reprolith Ortho Type B Thin Base Film and put these outstanding advantages to work in your shop.

FOR HIGH CONTRAST AND DENSITY, ANSCO REPRODOL DEVELOPER. Developing time in fresh solution 2-3 minutes. Laboratory packaged in 2, 10 and 25 gallon units.

Ansco Binghamton, New York.
A Division of General Aniline & Film Corporation. *"From Research to Reality."*

Hamilton Bond

W. C. HAMILTON & SONS • MIQUON, PA.

OFFICES IN NEW YORK, CHICAGO, LOS ANGELES

ESTABLISHED 1856

H. H. Hanson, Chairman of the Board • Lane Taylor, President • J. H. Dunton, Vice President in Charge of Sales

December 1955

WHY BOND PAPERS

WILL BE BETTER IN 1958

Progress can fool you. It can creep up so that you hardly know it's happening.

Take bond papers. They're much better than 10 years ago.

That's because one or two mills produced a better paper, and the rest had to catch up or go under. Just like automobiles, frozen foods, refrigerators, or almost anything else you'd care to mention.

And that's the reason bonds will be better in 1958, too. Competition is the mother of improvement.

But this is 1955, and the bond you buy is for 1955. From all we can gather, the Hamilton Bond of 1955 has vaulted into the lead in the bond-improvement race. It's the best there is, the No. 1 sulphite the rest of the industry must match.

To be truthful, this is something of a surprise to us. Over the years, we've kept making improvements in Hamilton Bond. Apparently, we've hit the jackpot. At any rate, some time ago word began to filter back to us that printers in increasing number were standardizing on Hamilton Bond. That secretaries (who really put bonds to the acid test) were requesting it by name.

Hamilton Bond is a real bond -- genuinely watermarked, surface sized, prehumidified. It is delivered in a moisture-proof package. We don't have to "stretch," like Huck Finn, to say that it does superbly all the things a bond is supposed to do. It prints well. It lies flat and feeds perfectly. It stands up like a soldier under hard use and long campaigning. Its strength and folding endurance are exceptional. It's hard to detect erasures on it.

Some of these things you can test on this sheet. But the truest test is a sample run on Hamilton Bond...and it's a test you really should make. See your Hamilton Bond merchant or write direct, won't you.

Sincerely,
W. C. HAMILTON & SONS

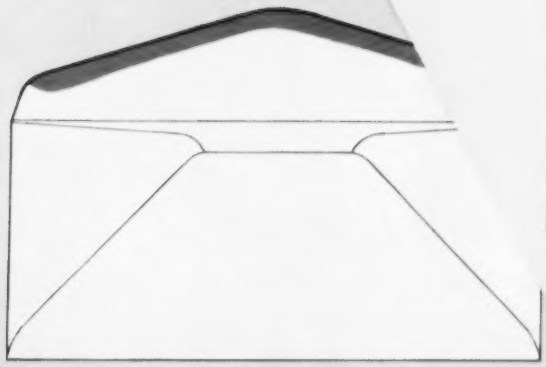
J H Dunton

J. H. Dunton
Vice President in Charge of Sales

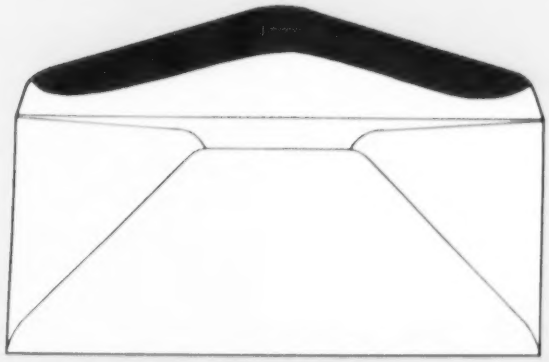
THIS LETTERHEAD IS LITHOGRAPHED ON HAMILTON BOND, WHITE, SUB. 24

A PROGRESS REPORT to the PRINTER CONSUMER MERCHANT

on the new P.V.A.* seal!



THE OLD



THE NEW

- ✓ **ABSOLUTE FLATNESS** • press performance, convenience, neatness
- ✓ **QUICK STICK** • no *Curl or Seal Impression*
- ✓ **WITHSTANDS HUMIDITY**
- ✓ **NO PRICE PREMIUM**
- ✓ **TIME TESTED IN OUR LABORATORIES** for economic efficiency and "all around" performance in *Automatic Sealing.*

Dayton Envelopes

*Poly-vinyl Alcohol and Acetate

HOWARD PAPER MILLS, INC., DAYTON ENVELOPE COMPANY DIVISION • DAYTON, OHIO

Mohawk Superfine

TEXT, COVER AND BRISTOL

This finest of texts, rich in appearance and extraordinary for cleanliness, has established itself as first choice among designers and producers of fine printing when quality and good taste are first considerations.

EGLISE ST. GERVAIS, GISORS. AN ETCHING BY JOHN TAYLOR ARMS

Mohawk Paper Mills

7 famous brands...

American Inks
Chemical Color & Supply Inks
Eagle Inks

Fuchs & Lang Inks
Kelly Inks
Morrill Inks
Sigmund Ullman Inks

from a single source...

G P I

We are organized for one purpose . . . to better serve the Graphic Arts industry. Now, no matter what your ink problem, you'll find a one-source, one-call answer at G P I. Contact our nearest office—we are in most phone books.

Chicago
Cincinnati
Clearing, Ill.
Cleveland
E. Rutherford, N. J.
Fort Worth
Kalamazoo
London, Canada
Long Island City
Los Angeles
Milwaukee
Mt. Morris, Ill.
Montreal
North Bergen, N. J.
Norwood, Mass.
Philadelphia
San Francisco
St. Louis
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Tacuba, Mexico
Toronto

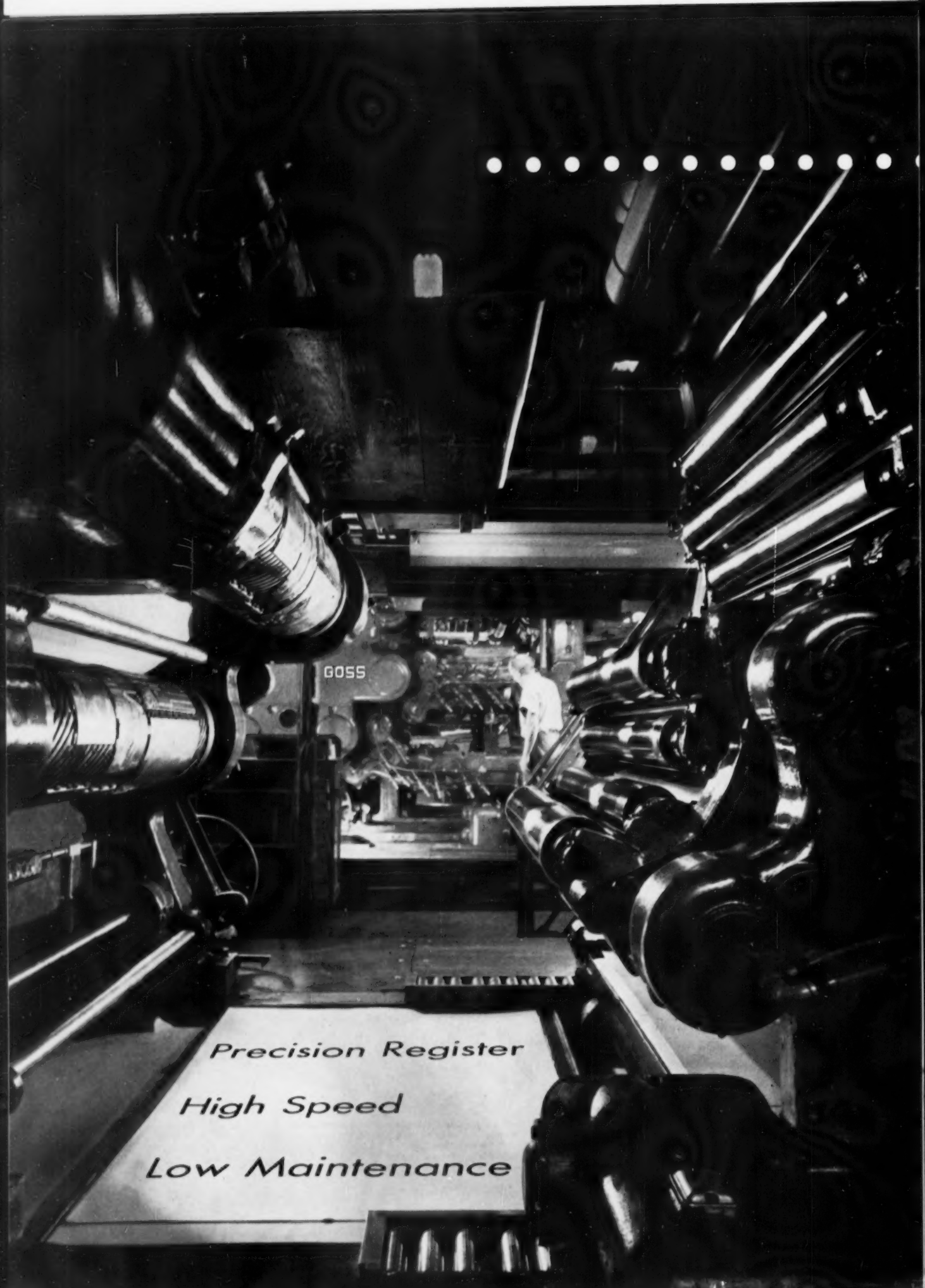
A Division of Sun *Chemical Corporation*

GPI **General Printing Ink Company**

10th Street and 44th Avenue, Long Island City 1, N. Y.

DIVISIONS OF SUN CHEMICAL CORPORATION

HORN • **HUDSON** • **WILLEY** (paints, maintenance and construction materials, industrial coatings) • **WARWICK** (textile and industrial chemicals) • **WARWICK WAX** (refiners of specialty waxes) • **RUTHERFORD** (lithographic equipment) • **SUN SUPPLY** (lithographic supplies) • **GENERAL PRINTING INK** (Sigmund Ullman • Fuchs & Lang • Eagle • American • Kelly • Chemical Color & Supply Inks) • **MORRILL** (news inks) • and **ELECTRO-TECHNICAL PRODUCTS** (coatings and plastics)


GOSS
Precision Register
High Speed
Low Maintenance

. . matchless leadership

Precision Register

High Speed

Low Maintenance

Goss Magazine Presses

How to increase net profits in this day of rising costs is of primary concern to every publication printing company.

Whether you specialize in magazines of moderate circulation or extremely long runs, Goss builds presses designed to *earn more for you* through high net production—speed, dependability and low maintenance.

GOSS offers the world's fastest magazine presses, printing up to 1500 feet of paper per minute . . . 32 to 196-page capacity . . . one-color, double two-color, double three-color, double five-color and double six-color presses producing unexcelled quality . . . equipped with automatic, electronic register controls . . . available with either jaw collecting type or former folders, and with wire stitchers.

The advantages of Goss presses for moderate runs are as outstanding as is the stamina of Goss Magazine Presses in gruelling abnormally long runs without shutdowns.

Advanced design and dependability reduce unit operating costs by increasing net output.

Large diameter impression cylinders and solid steel forged plate cylinders extend close to press frames for maximum stiffness, minimizing deflection. Precision pre-loaded bearings assure uniformity of impression, and dynamically-balanced rollers and cylinders—including large impression cylinders and folder cylinders—improve printing quality.

The inking arrangement is driven independently of the main drive, giving uniform drive shaft loading. This also reduces paper waste by permitting driers to get up to heat on start-up before printing. Balanced oscillation of drums and rollers minimizes power fluctuations. Goss advanced design gives the finest ink lay for pleasing the most discriminating judge of highest quality printing.

Finest color gradations are provided by closely-spaced fountain setting keys.

Goss web aligning devices and motorized compensators provide continuous side and backup register. The basic design permits application of the electric eye.

The flexible folding blade assures an accurate fold at highest speeds, while the laminated flexible jaws allow unbalanced signatures to be run side-by-side.

Maximum accessibility throughout the press affords convenience in webbing up and in making ready. Goss design facilitates routine maintenance.

Automatic lubrication allows high speed operation and reduces maintenance. This assures the adequate amount of lubricant for each vital part, with minimum attention by operators.

The time-saving Goss *Non-Stop Imprinter* will step up your profits on supplements and circulars requiring frequent changes of logotypes and addresses. One Goss Non-Stop Imprinter makes thousands of changes on each run.

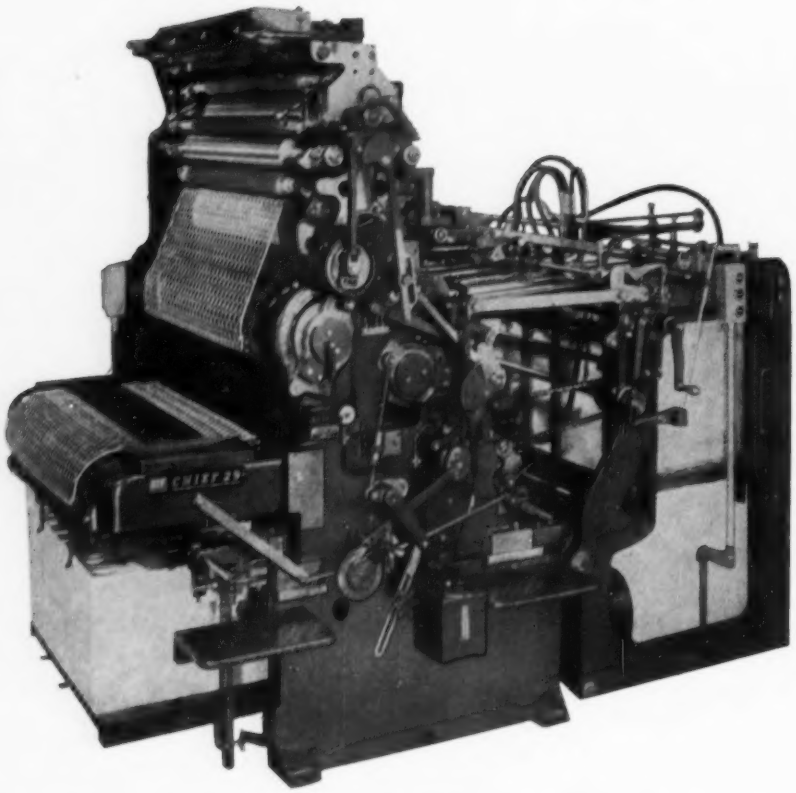
Executives who insist upon fine printing prefer Goss Magazine Presses for consistent superior quality, combined with outstanding performance at highest speeds and greatest efficiency shown by production records throughout the industry.

We suggest that you investigate for yourself—compare performance and low operating costs in publication printing plants—to see how Goss Magazine Presses can benefit you. We invite correspondence with our engineers, who will be happy to confer with you on your production problems.

THE GOSS PRINTING PRESS CO.

5601 West 31st Street, Chicago 50, Illinois

WORLD'S LARGEST MANUFACTURER OF NEWSPAPER, MAGAZINE AND ROTOGRAVURE PRESSES



the Chief 29

Moderate in cost, this press is often bought to team up with another "29". With a top speed of 5,000 IPH, the Chief 29 has established itself as a dependable and extremely versatile press.

why does ATF offer two offset

ATF offers *two* 29" presses with somewhat different specifications to cover the *entire* range of printing production requirements in this field. A moderately-priced Chief 29 with its steady, dependable rate of production, and the Super Chief which offers top speed and performance in the 29" size range.

The ATF Chief 29 is one of the most flexible presses in its size range. It is noted for its quick set-up and changeover time. Operating at speeds of 3,000 to 5,000 IPH, this press takes a wide range of stocks in a wide range of sizes. It has an ideal size-to-weight ratio—a ruggedness that enables you to get and hold hairline register in every speed range.

With its quick get away on job after job, short makeready and simplified inking and register control, hundreds of pressmen have found this press to be a consistent money-maker on long and short runs. In fact, a run of 500 impressions can generally be run and off the press in the time normally required to complete the makeready operations of a letterpress.

specifications:

CHIEF 29

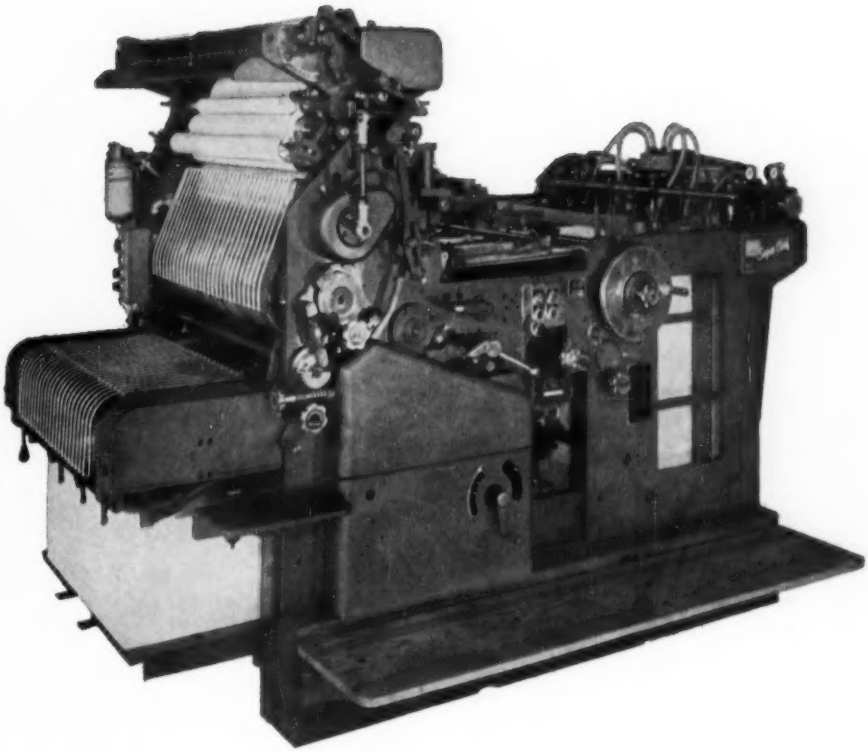
Sheet handled	11" x 17" to 22½" x 29"
Speed range	3,000 to 5,000 IPH variable
Stock handled	Onion skin to .026 cardboard
Weight	5,700 pounds
Floor space	63" x 89"

For a demonstration of the new Super Chief or the Chief 29, for specifications literature, for information on cameras and platemaking equipment that can be bought and financed as a "package" with ATF Offset Presses, contact your ATF Sales Representative or write directly to American Type Founders, 200 Elmora Avenue, Elizabeth, N. J.

3493

the Super Chief

This press offers the ultimate in performance in its size range. With a top speed of 7,000 IPH and a sheet capacity up to 23" x 30", this press often out-produces two smaller units.



presses in the 29" size range?

The premium you pay for the new, ATF Super Chief is generally far outweighed by the productive capacity of this new press. Operating at speeds of 2,800 to 7,000 IPH, this press accommodates a variety of stocks in sheet sizes 10" x 14" to 23" x 30".

specifications:

SUPER CHIEF

Sheet handled	10" x 14" to 23" x 30"
Speed range	2,800 to 7,000 IPH stepless
Stock handled	Onion skin to .030 cardboard
Weight	7,300 pounds
Floor space	78½" x 97½"

This press is not just a "beefed-up" version of the Chief 29—it is a new press in every respect, built on the experience of 25 years of offset press design. Added weight and extreme ruggedness, so important for fine register, are here combined with a wide range of operating speeds. For more than a year, Super Chief presses have been operating in the field under actual plant conditions. During that time, they have shown major time-saving economies on both long and short runs.

The Super Chief was carefully designed to provide enough room for desirable operating features, without taking up unnecessary floor space or becoming clumsy and too large to handle. Its 53.2 sq. ft. floor space makes it the most compact press of its size range built for one-man operation.

ATF AMERICAN TYPE FOUNDERS

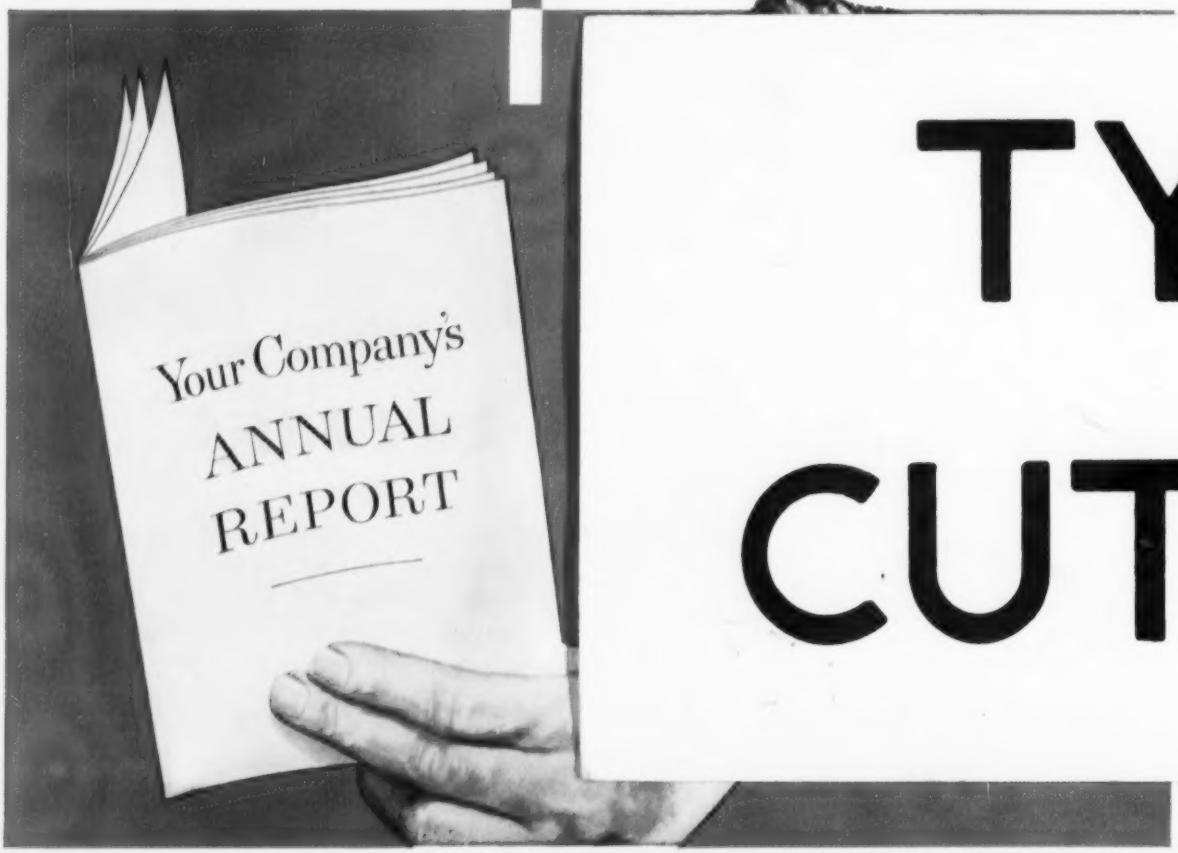
200 ELMORA AVENUE, ELIZABETH, N. J.

Better... More Profitable Printing from the Widest Line of Equipment

Important news for 7½ million stockholders

The importance which management attaches to stockholder relations is demonstrated by the top-level consideration and planning which go into today's annual reports. If you are about to produce an annual report, you will be concerned with selecting a paper of character and distinction . . . a paper which will reflect your corporate standing. Ask your nearby Oxford Merchant to show you a selection of fine papers for annual reports and examples of the outstanding printing results you may expect.

TWO VALUABLE AIDS: (*1*) *The* **OXFORD PAPER SELECTOR CHART** *to help you select the right grade of paper for each job.* (*2*) *The* **OXFORD PAPER COST CALCULATOR** *to give you quickly the exact cost per 1000 sheets of common weights and sizes of printing papers. Ask your nearby Oxford Merchant or write us direct.*



TYP

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Oxford Papers

Help Build Sales

OXFORD PAPERS

OXFORD PAPER COMPANY, *230 Park Avenue, New York 17, N. Y.*
OXFORD MIAMI PAPER COMPANY, *35 East Wacker Drive, Chicago 1, Ill.*
MILLS AT RUMFORD, MAINE, AND WEST CARROLLTON, OHIO

YESTERDAY'S CRAFTSMEN HAD TIME TO HANDLE EVERY SHEET... BUT, TO PREVENT INK OFFSET TODAY, CRAFTSMEN USE PAASCHE

PE

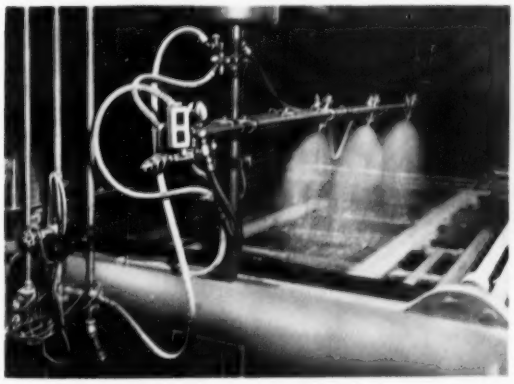
-OFF

To eliminate ink offset between stacked, freshly printed sheets efficiently and economically, install *Paasche No Ink Offset Equipment.* Paasche wet or dry spray units do away with costly slip-sheeting and the use of Tympan papers. Result: *Simplified labor, higher quality, less waste, and presses may run at their maximum specified speed.*

Paasche spray units are convertible for use on the smallest to the largest high speed presses. They are used on all types—letter-press, offset, web, gravure, and rotary . . . xcellent too as fluid and powder ethylene, carton and urface printing.

aasche is the only no ink offset equipment available that covers all phases of offset prevention.

WRITE FOR BULLETIN



DON'T STACK YOUR PROBLEMS . . . LET PAASCHE PREVENT INK OFFSET!

PAASCHE AIRBRUSH CO.
1905 Diversey Parkway, Chicago 14, Ill.
In Canada: Paasche Airbrush Ltd.
884 Pape Avenue, Toronto, Ontario

DIVISION OF CLINE ELECTRIC MANUFACTURING COMPANY

AUTOMATIC SPRAY EQUIPMENT FOR ANY SPRAY JOB . . . SINCE 1904

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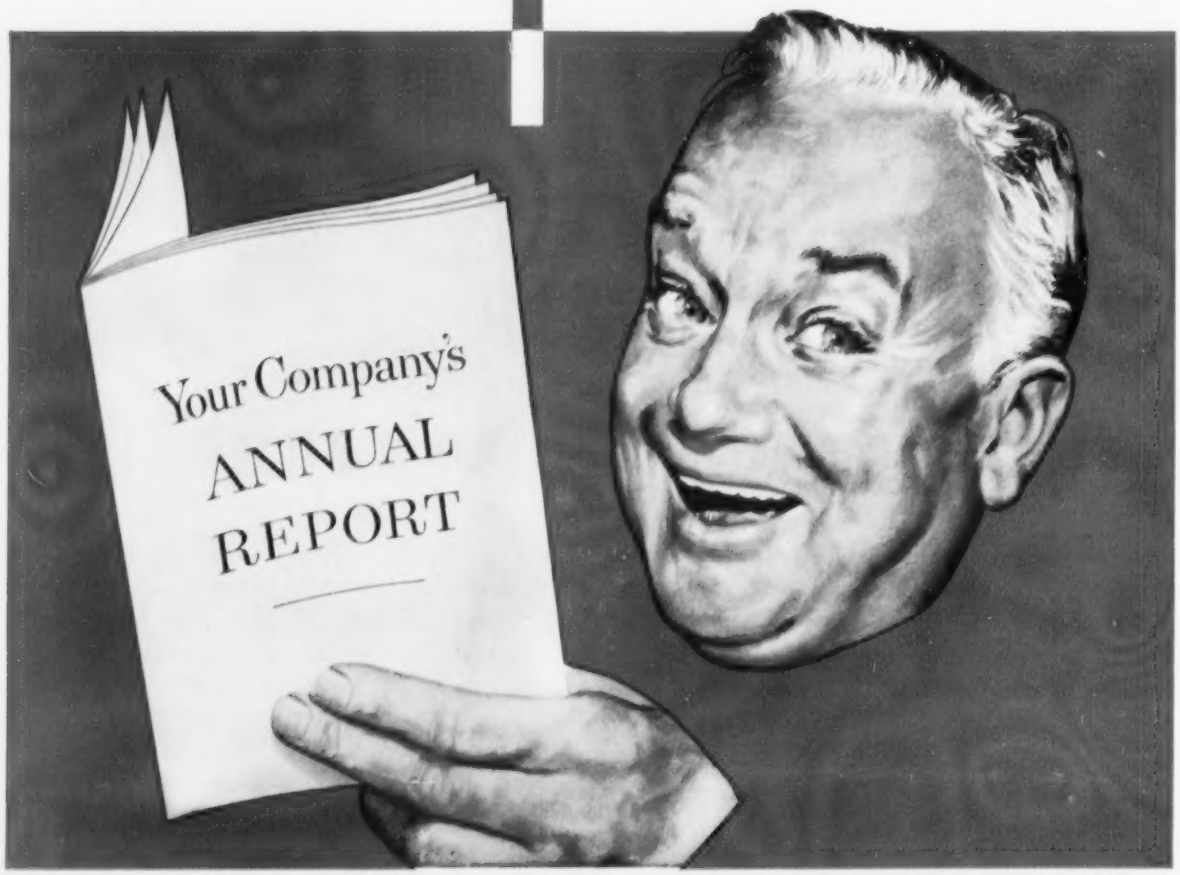

Oxford Papers

Help Build Sales

OXFORD PAPERS

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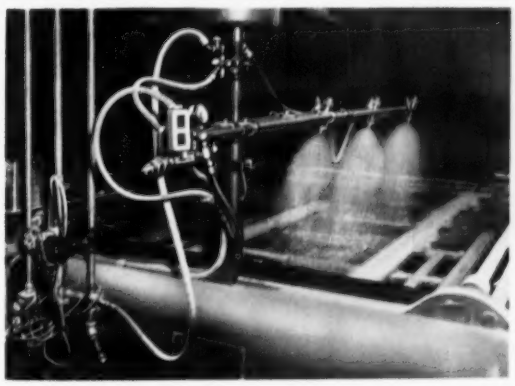
WRITE FOR BULLETIN



DON'T STACK YOUR PROBLEMS . . . LET PAASCHE PREVENT INK OFFSET!

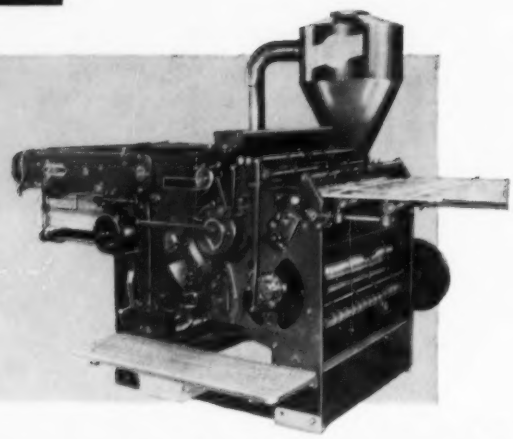
PAASCHE AIRBRUSH CO.
1905 Diversey Parkway, Chicago 14, Ill.
In Canada: Paasche Airbrush Ltd.
884 Pape Avenue, Toronto, Ontario

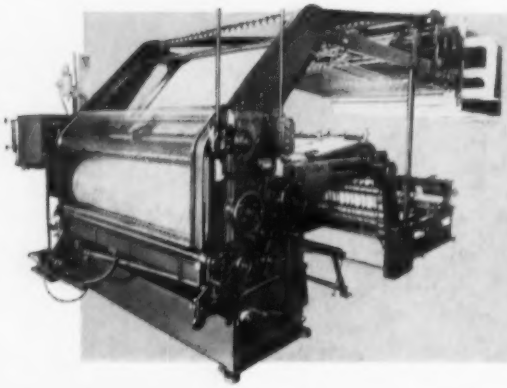
DIVISION OF CLINE ELECTRIC MANUFACTURING COMPANY

AUTOMATIC SPRAY EQUIPMENT FOR ANY SPRAY JOB . . . SINCE 1904

CHRISTENSEN...
for Pressroom Profits

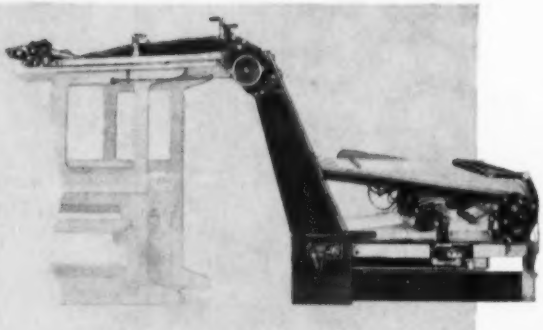
BRONZING Equipment will bring new jobs into your shop . . . and a Christensen High-Speed Bronzer attached to your press will mean increased profit with low operating costs. Matches the practical running speed of your press . . . exhauster-reclaimer keeps bronze out of the pressroom and in the machine.





VARNISHING of labels, magazine covers, circulars and gift wrappings enhances both product appearance and profits. The Christensen Varnishing Machine operates at almost twice the speed of any other present varnisher. Dual-level oven decreases floor space required. The Christensen will handle paper or board in widths up to 78 inches.

STREAM FEEDING with the Christensen Continuous Feeder means no stopping of the press . . . more printed sheets per hour. Improved register because sheets arrive at register position at one-sixth the speed of sheet-by-sheet feeders. Floor loading reduces operator fatigue, reduces loading time, eliminates stairs and platforms.



ILLUSTRATED CIRCULARS ARE AVAILABLE FOR ANY OF THE ABOVE MACHINES

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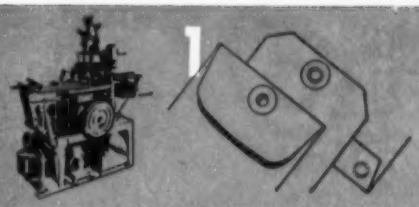
330 West 42nd Street New York 36, N

5 ways to Save ON FINISHING!

FULLY AUTOMATIC GRAEBER MACHINES

High-speed Graeber Stringers and Wirers get finishing operations done completely automatically, at far less cost than hand-work. The savings you make will quickly pay for the machine and leave you extra profit at the same time. Write for free Graeber Bulletins, today!

Every Graeber Machine Is Now Equipped To Handle Manifold Tags, One-Time-Carbon Sets, And Many Other Products.



1 FASTEST AUTOMATIC PATCH AND EYELETTER

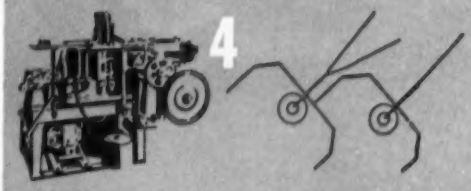
Attaches patch, punches hole, inserts eyelet in one operation. Patches can be attached on one or both sides, in any location on any shape tag or envelope in sizes from 2¾" x 1⅝" to 10" x 12". Takes ⅞" or 15/16"-wide patch stock. Speeds with automatic feed to 6,000 per hr. Write for free Bulletin 19.

2 AUTOMATIC TAG STRINGER AND KNOTTER

Punches hole, strings and knots cord on square or rectangular shipping and merchandise tags and booklets up to 20 pages, in sizes from 1" x 1¼" to 6" x 12" automatically. Speeds to 7,500 per hr. Threads and knots silk, rayon, polished and cotton cord to No. 12 size. Also adaptable to insert eyelets. Write for free Bulletin 17.

3 AUTOMATIC TAG STRINGER AND LOOPER

Strings and loops cord on square or rectangular shipping and merchandise tags, in sizes from 1⅝" x 2¾" to 5" x 14". Speeds with automatic feed to 5,700 per hr. Tag threaded and looped with string from 12" to 20" lengths. Handles silk, rayon, polished cord and string up to No. 12. Write for free Bulletin 16.



4 AUTOMATIC WIRING MACHINE

Threads wire on shipping and merchandise tags from 1⅝" x 2¾" to 5" x 14" long. Handles 21 to 26-gauge copper or steel wire single or double; from 5" single and 10" double to 9" single and 18" double. Speeds with automatic feed to 5,700 per hr. Also adaptable to wire tags in gangs. Write for free Bulletin 18.

5 AUTOMATIC CALENDAR AND DISPLAY CARD STRINGER AND KNOTTER

Automatically punches holes, inserts silk, cotton, or cable twist cords; ties and knots at 52 per minute. Feeds from 3" x 5" to 12" x 14" stock automatically, up to 18" x 24" semi-automatically. Write for free Bulletin 21.

GRAEBER
Stringing & Wiring
MACHINE COMPANY

Division of New Era Mfg. Co.
376 Eleventh Avenue, Paterson, New Jersey

EVERY BATCH

A COLOR MATCH

Every factory shipment of IPI ink is first subjected to precision-controlled color comparison with standard sample

Color control at IPI is continuous and exacting—from raw material to finished ink. Dry pigment is tested as it arrives at our factories, and compared in shade and strength with the standard dry color. Shipment samples of finished ink are likewise checked to assure more uniform color matches in every batch.

The Hoover Automatic Muller, shown here, is one of the many instruments used for precision color control by IPI technicians. This small, efficient laboratory machine grinds and disperses pigments, simulating actual production milling equipment. Its use results in more accurate color comparison and greater product uniformity.

This same care and laboratory precision applies to every phase of IPI inkmaking. This is why you can count on the same fine quality and color uniformity in every batch of IPI ink—which of course helps give you better quality printing on every job.

IPI service at work for you

Printing plants of all sizes are invited to use IPI's complete ink service facilities in printing centers from coast to coast. Each local IPI service station and branch is staffed by local experienced ink men, well-seasoned in the special printing problems of each locality. They are always on call to help you solve any printing problems—large or small—that may arise. For prompt ink service with a personal touch, contact IPI.

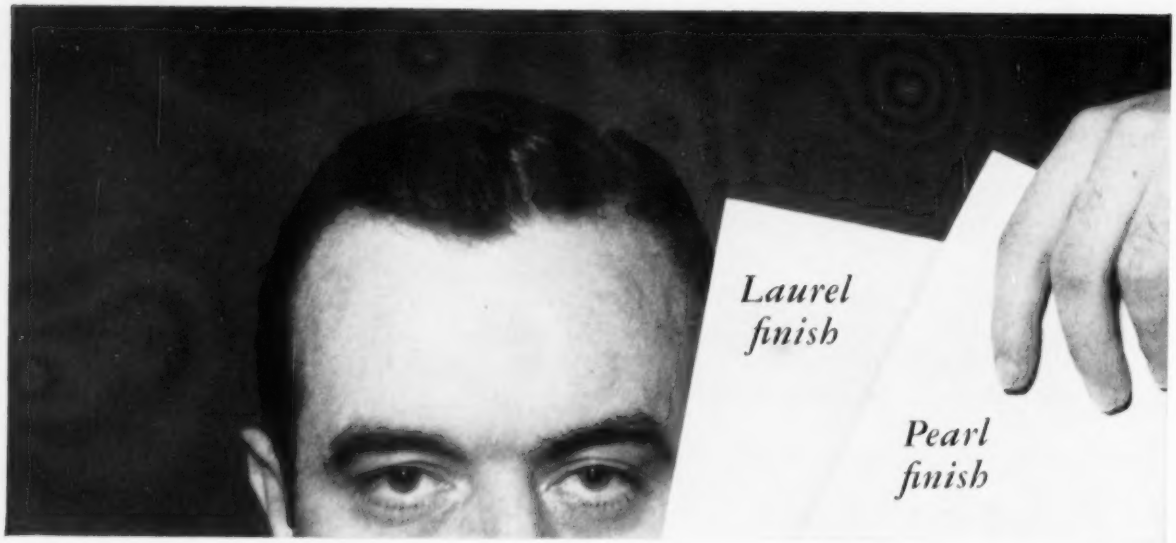
IPI and IC are trade-marks of Interchemical Corporation

Interchemical Corporation

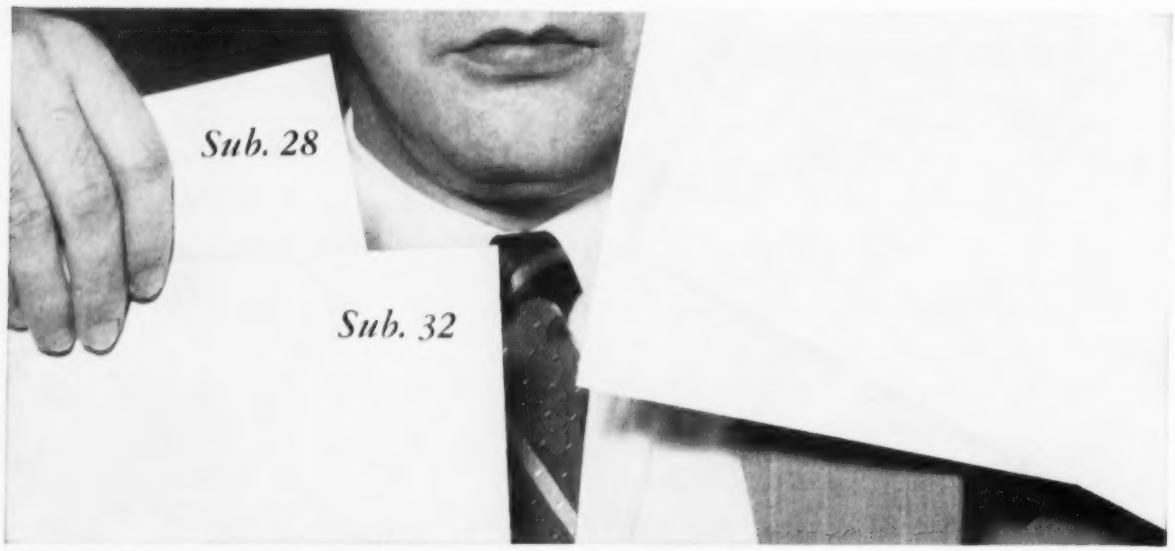
PRINTING INK DIVISION • 67 W. 44th ST., NEW YORK 36, N. Y.

ipi INTERCHEMICAL PRINTING INKS

RELY ON IPI FOR LEADERSHIP IN INK RESEARCH



Hammermill Opaque adds 2 new finishes—2 new weights



Now comes in twice as many stock items

New finishes and new weights now make it easier to produce a wide range of attractive, customer-pleasing printing on Hammermill Opaque. You can choose from "Vellum" and "English" finishes and the brand new "Laurel" and "Pearl".

In addition to the attractive new finishes, Hammermill Opaque is now also available in substance 28 and substance 32. There are four new sheet sizes: 8½ x 11; 17½ x 22½; 23 x 29; 23 x 35. And stock items have been increased from 44 to 100 to aid you in choosing just the right size, weight and finish of opaque paper needed for a wide variety of jobs.

Hammermill Opaque has unusually high opacity—keeps "show-through" to a minimum even in lightest substance weights. This feature, plus excellent cleanliness, brightness and strength characteristics, makes this Hammermill grade ideal for such sales promotion pieces as self-mailers, instruction sheets, assembly directions, bottle labels, magazine inserts, accordion folders, small booklets and price lists. On multi-page jobs, like catalogs, its higher opacity permits you to use lighter weights which often add up to postage savings for your customers.

On the press, Hammermill Opaque has an excellent surface for high speed performance, whether you run letterpress or offset. Your craftsmanship is more pleasing because Hammermill Opaque's high brightness means good contrast for heavy ink coverage. At the same time, it has a pleasing blue-whiteness that is not so extreme as to dull the effect of halftones.

When the job calls for opacity plus brightness call your Hammermill Agent and ask him for Hammermill Opaque. Hammermill Paper Company, Erie, Pa.

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JUMBO VALUE

BECAUSE THEY'RE

JUMBO QUALITY

MERCURY

ROLLERS and BLANKETS

You get true economy in Mercury products, because they give you true money's *worth*. No other roller or blanket made can beat the mileage you get with Mercury.

What is more, these accessories save you money in other ways — by reducing makeready time and wash-up time, cutting down on paper spoilage and above all by delivering the top quality jobs which keep customers coming back for more.

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Season's Greetings

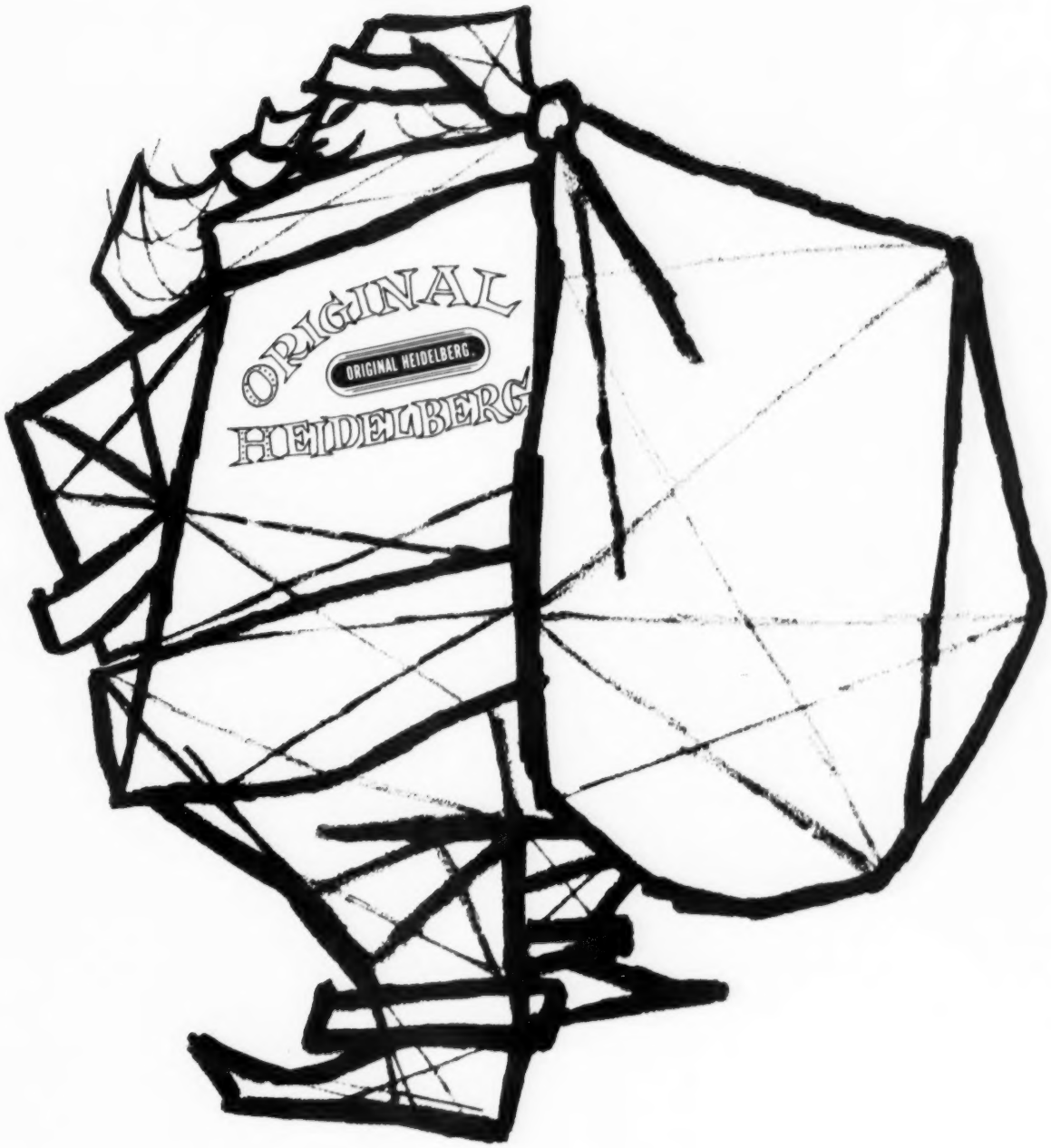
Atlantic Papers

EASTERN

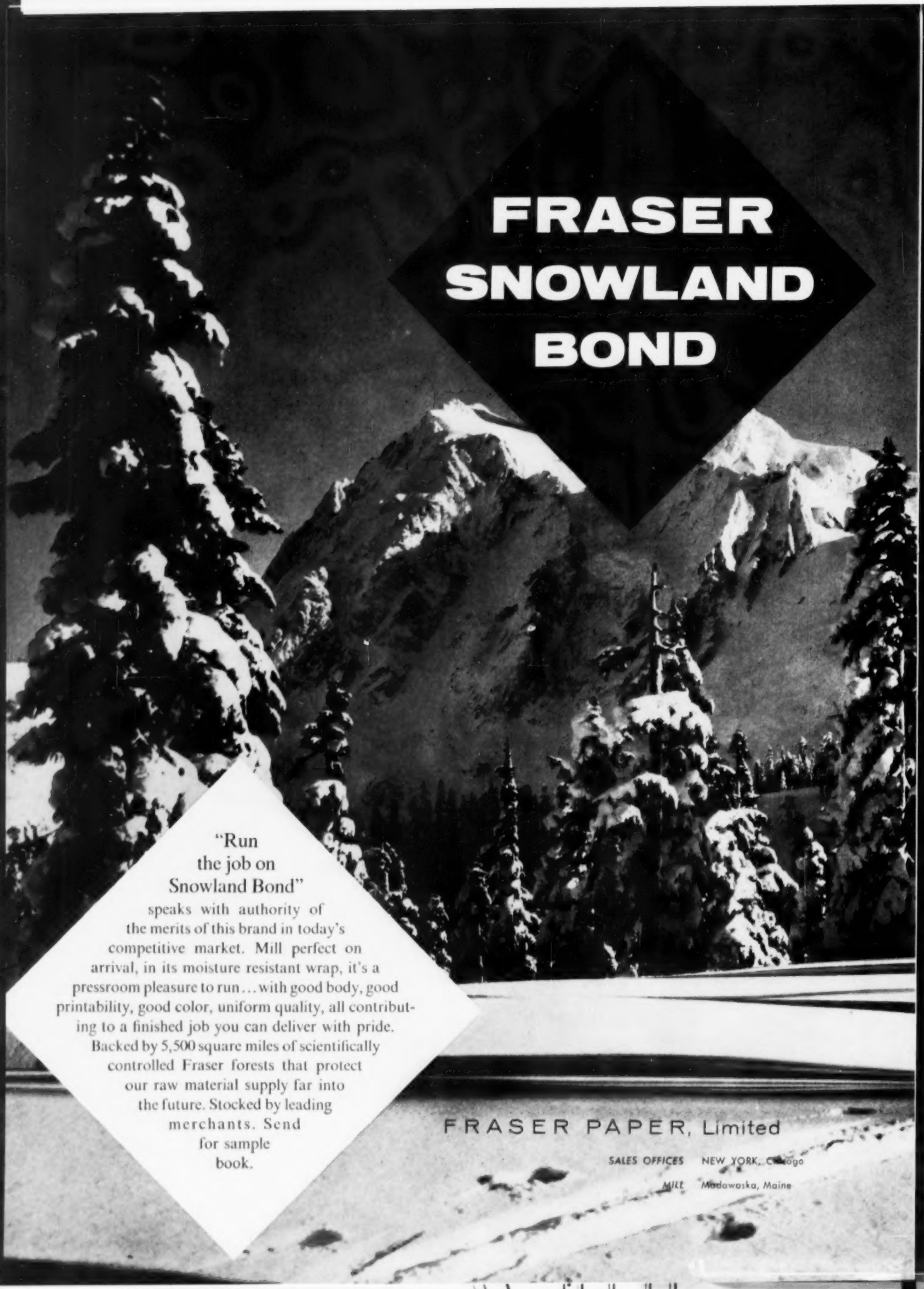
Atlantic Manifest

EXCELLENCE IN FINE PAPERS

Eastern Corporation, Bangor, Maine



MERRY CHRISTMAS & HAPPY NEW YEAR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speaks with authority of
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THIS 2" LIFT DRILLED AND SLOTTED IN ONE OPERATION IN 2 SECONDS!

THE NEW MODEL - 5

LAWSON *multiple head* DRILL

- Can also be used for drilling round holes only. Easy to operate — easy to set.
- Drills last longer. Positive locking device holds drills absolutely tight. Cannot wobble.
- Iron table in fixed position. Tip-toe treadle control brings the drills down to the work.
- Heads quickly adjustable from front of machine. Spindles adjusted vertically while in operation.
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- Chips automatically carried to removable waste box.
- Back gauge screw operated . . rides in a V-slot . . . assures squareness . . . adjustable from front.
- Open housing for unlimited back depth

Write today for complete specifications of the **LAWSON MULTIPLE HEAD DRILL**

USE LAWSON HOLLOW DRILLS

- ***unconditionally guaranteed***

Made of the finest grade tool steel — electrically heat treated and oil tempered — will stay sharp longer. Highly polished mirror finish prevents chips jamming.

Lawson Hollow Drills also fit Wright, Tatum, Seybold and Rosback drilling machines.

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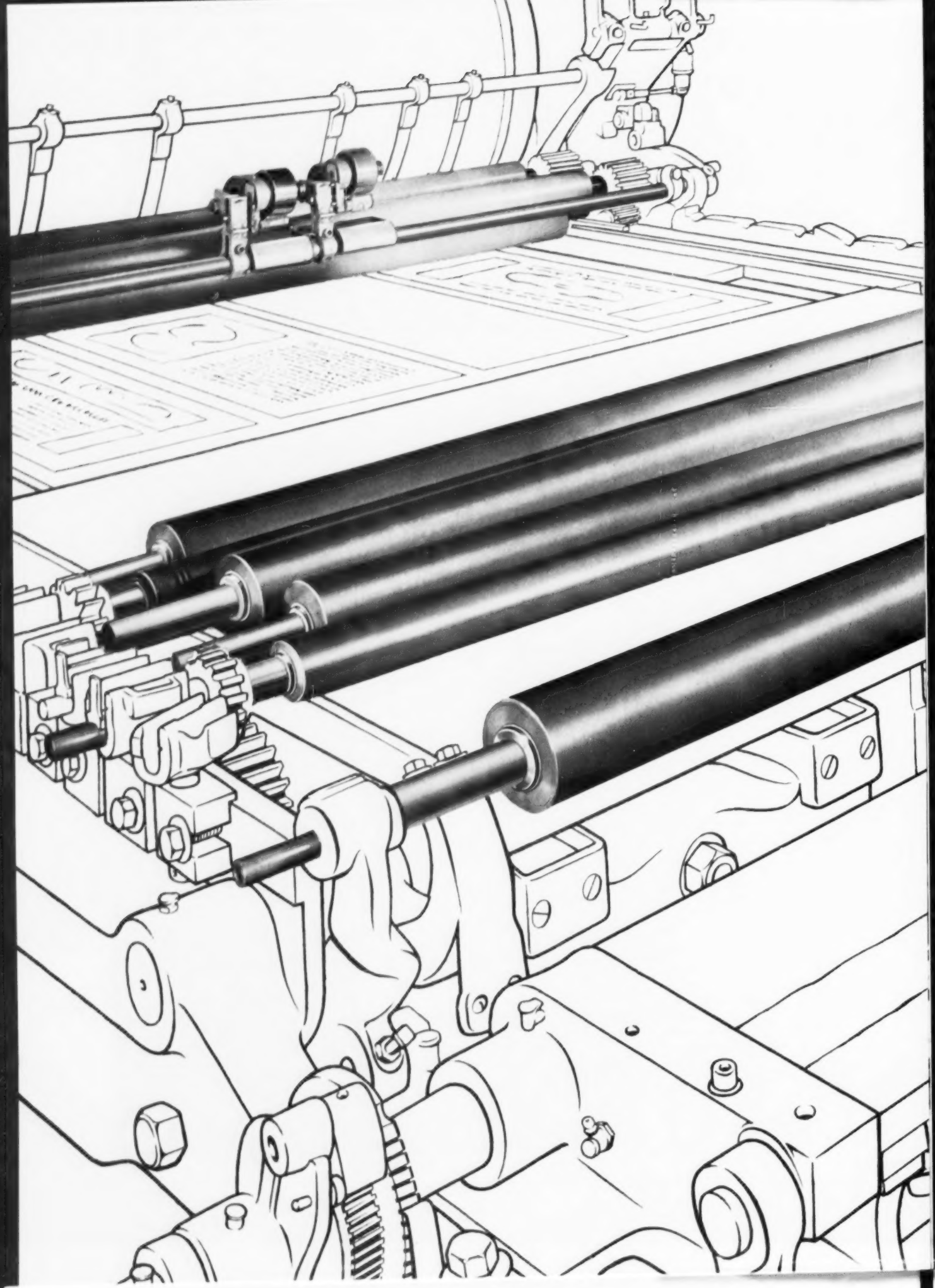
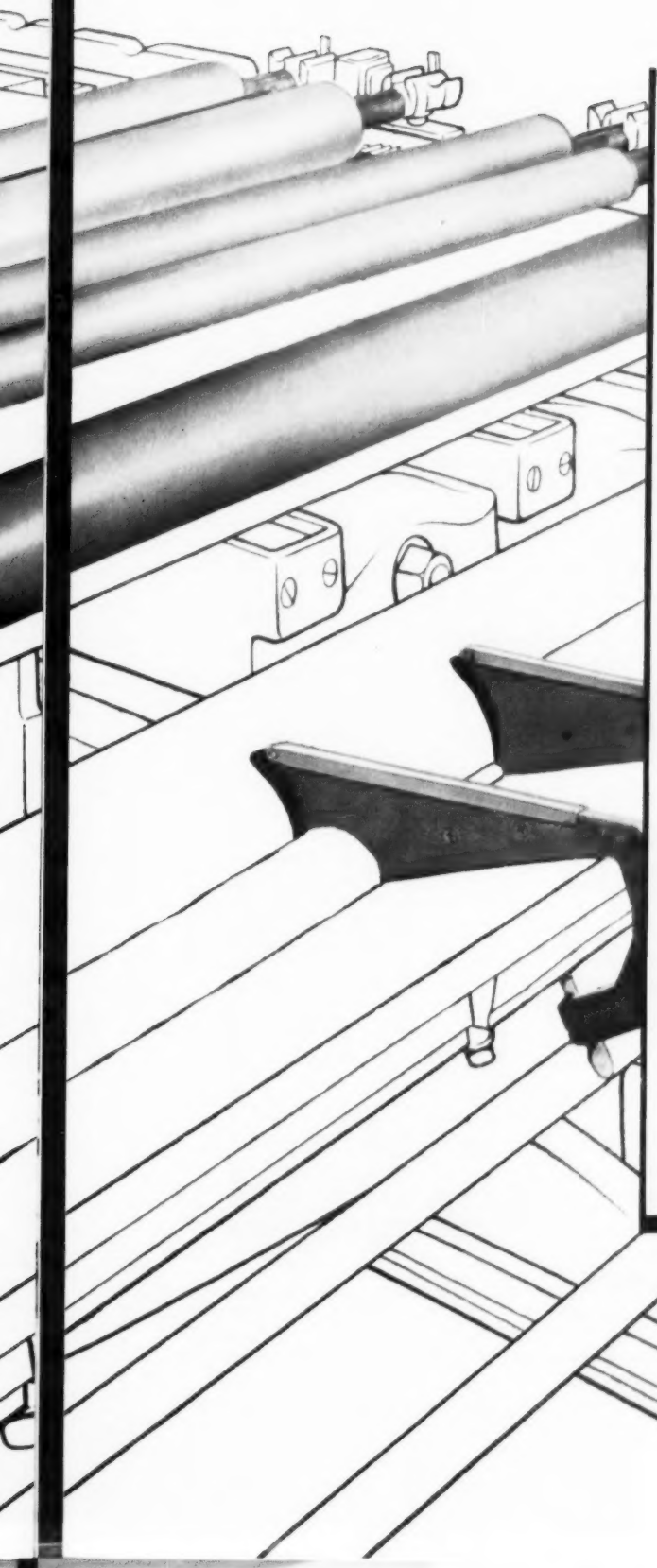


Ink laid the way you want it...
every day of the year

yours with Dayco Rollers



Hot, humid summers, freezing winters, or the quickly changing weather of spring and fall never affect the uniformly fine inking qualities of Dayco Letterpress Rollers.

Because of their specially compounded synthetic rubber, Daycos stay round, never shrink or swell so you don't have to bother changing rollers with the seasons.

Daycos' velvety touch and *just right* tack lay ink *the way you want it laid* for livelier halftones and solids.

With every quality for longer life and superior performance in the important form position, Daycos give even longer service when rotated to the distributor and ductor positions.

Best of all, after Daycos have given you millions of perfect impressions, they can be re-Daycoed like new at far less than their original cost.

Dayco Color Separators and Fountain Dividers enable you to reduce the number of press runs on a multi-color job by printing two, three or even more colors on your one color presses without cutting a single roller.

Get all the money saving facts about Dayco "all season" rollers, Dayco Color Separators and Fountain Dividers. Write Dayton Rubber Co., Dayco Div., Dayton 1, Ohio.

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GOLDEN JUBILEE

Dayton Rubber 50 YEARS OF PROGRESS

Dayco Rollers . . . for Offset, Letterpress, Newspaper, Gravure, Analin, Coating, Graining, Steel Mills. **Dayco Offset Blankets. Dayco Fountain Dividers. Dayco Color Separators.**
West Coast Distributor, Tillicum Rubber Co., Lacey, Wash.

Cuts INK... GREASE... DIRT... FAST!

Gets Hands REALLY CLEAN!

KLEX PUMICE SOAP

For a fast, thorough clean-up job, nothing beats KLEX PUMICE SOAP! This hard-milled, mildly abrasive soap is exceptionally long lasting—cleans grimy, stained hands completely, yet gently. Lathers freely in any water—hard or soft, hot or cold!

Choose from 2 cake sizes: 5 oz. or 1 oz.

P.S.

Photoengravers say AJAX, the "Foaming Cleanser," Cleans Copper and Zinc Plates

FASTER... BETTER... CHEAPER!

Photoengravers tell us that AJAX CLEANSER is great for cleaning copper and zinc plates before enamel is applied. AJAX cuts grease *fast*, eliminates possible trouble later. Costs less than other cleaning agents—washes easily down the drain without clogging. Make a note to try it soon!

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Order the economical 125 or 200-lb. drum today!

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These Ideal products will help you to maintain pressroom efficiency and finished-product quality:

Ideal Graytone Lithograph Rollers
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Rollers Compositions
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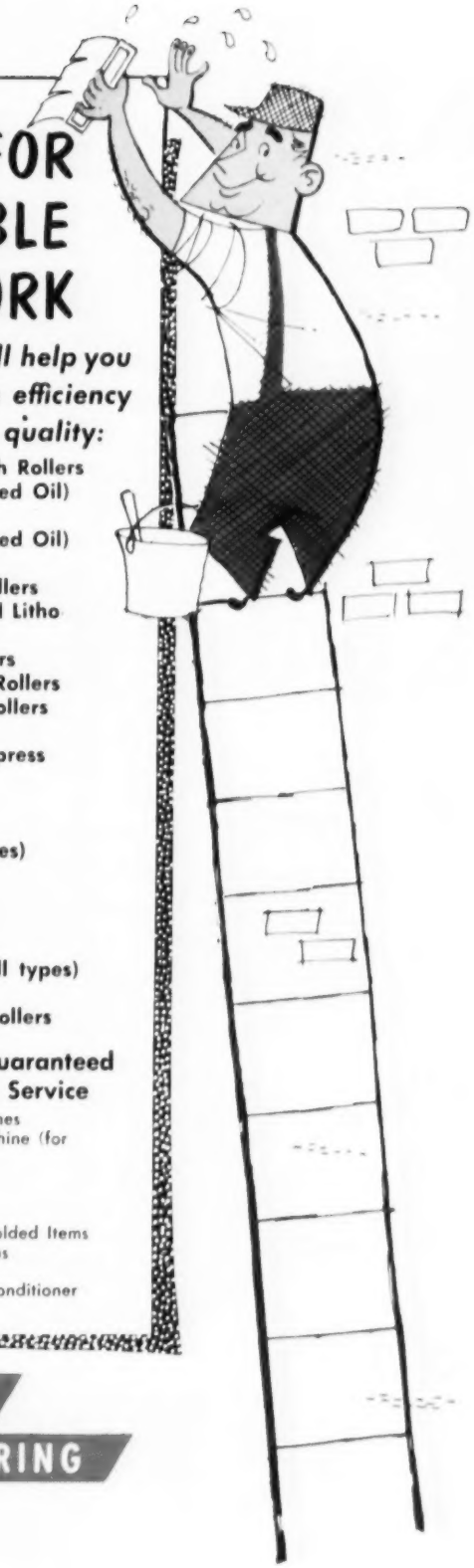

4 FACTORIES
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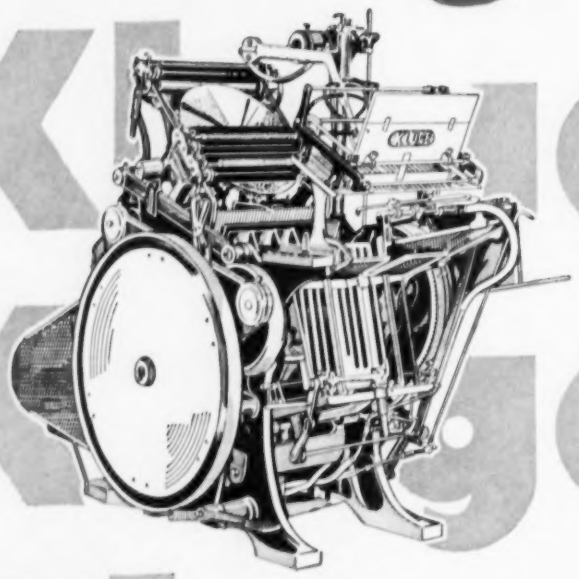

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And this is what we mean: the Kluge prints (and prints perfectly) more shapes, sizes, weights, thicknesses and textures of stock than any other press in the world, bar none.

That's why "Versatile as a Kluge" has become a maxim among printers the country over.

Let the Kluge prove it to your stock.

Write us today and find out which one of our 52 models is best for you.

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They call it the "King" of the lift trucks—it's Hyster's new RC-150

Get a lift with **Quality!**

It is a simple matter of fact to important firms like the Hyster Company that an impressive letterhead paper makes good sense and better business. Being quality-minded, they choose Strathmore for its superiority. They write their letters on it with a good deal of corporate pride. You can share this experience—just ask your supplier to show you samples of your own letterhead design on Strathmore.

The Hyster Company is industry's strong right arm! Hyster makes those extraordinarily powerful lift trucks and carriers (Straddle Trucks, Karry Kranes, etc.) you see around industrial plants these days. These are the machines that can lift and move just about anything with the greatest of ease—refrigerators, apples, steel pipings. They save time and they lower handling costs considerably.

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Makers of Fine Papers

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Strathmore Advertisements in national magazines tell your customers about the letterheads of famous American companies on Strathmore papers. This makes it easier for you to sell these papers, which you know will produce quality results.

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Hallmark of the finest printing and converting equipment...

Champlain

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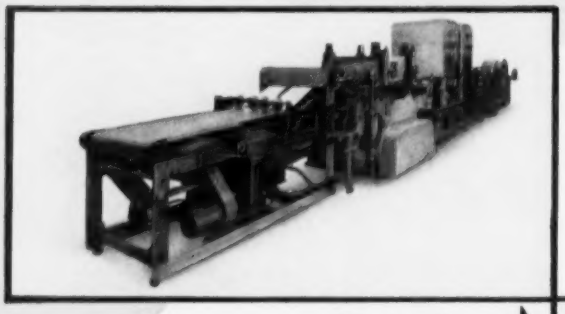
High-speed precision-register printing on practically *any* stock in *any* practical multiple of colors. Meet the ever-increasing demand for more and better wrappers, labels, and cartons for packaged goods with Champlain *inline* rotogravure. "Speedry" ink fountain insures true reproduction of color and instantaneous drying. Print from roll stock 8" to 44" wide.

To complete a* CHAMPLAIN *rotogravure press—a* CHAMPLAIN *inline precision delivery unit:



Cutting and Creasing Press

In one pass — only *once* through the press — it cuts, creases, and automatically yet thoroughly strips 7,500 to 10,500 cartons per hour from a continuous web. Platen press quality at *better* than cylinder press speeds.

Sheet Delivery

Delivers from 8,500 to 12,500 square cut sheets per hour with 1/64" accuracy. *Faster than any other standard sheeter.* Positive sheet handling eliminates damage. No waste trim.

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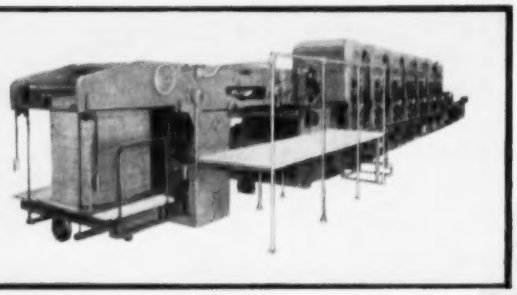
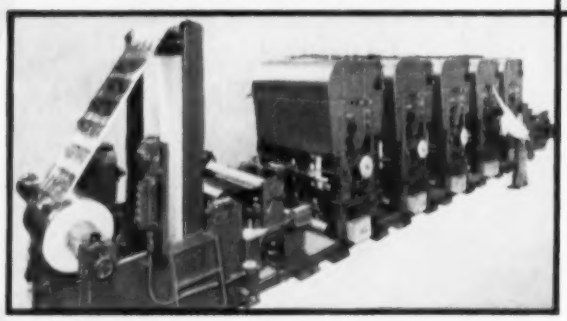
Hydraulically-actuated constant-tension roll unit rewinds from 400 to 800 ft. per min. Positively synchronized to press for balanced speed, tension, and control. Single, multiple, and staggered-roll models.





PLUS ***—a complete line of other equipment for all printing and converting needs.***

LETTERPRESS PRESSES, FLEXOGRAPHIC PRESSES, SPECIALTY PRESSES—for Tag, Chart Paper, End and Bakery Seals, Die Cut Labels.

CUTTING AND CREASING EQUIPMENT—Roll Fed Swing-Type Reciprocal and Stationary Die Cutting Presses — Vertical Extruding and Eccentric Punches and Perforators—Rotary Blankers.

SPECIALTY CONVERTING EQUIPMENT FOR INLINE USE—Rotary Embossers — Perforators and Score Units — Slitting Equipment — Hot Melt Thermoplastic Applicators — Special Delivery Equipment.

AUXILIARY EQUIPMENT — Automatic Electronic Register Controls (for multicolor and fabrication register on roll-fed equipment) — Automatic Web Splicers.

. . . and for special engineered equipment:

Champlain's ability to design and build special units is based on years of experience in developing inline printing, fabricating, and delivery equipment.

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Write today for catalog of Champlain equipment. Champlain Company, Inc.
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COLOR PHOTOGRAPH BY ANTON BRUEHL

"O-h-h-h!"

THIS MAGIC MOMENT comes to millions of American homes. The tree stands trimmed in all its splendid color —the children enter—and Christmas bursts upon us in its truest glory.

Those of us who make HOWARD BOND share these wonderful moments with you. We, too, say *"O-h-h-h!"* —and turn to wish your families and friends, as we wish *you*, a very Merry Christmas, a Prosperous and Happy New Year.

It doesn't occur to us until later—but it eventually *does* occur—that here again the universal love of color is revealed.

HOWARD PAPER MILLS, INC. • HOWARD PAPER COMPANY DIVISION, URBANA, OHIO

Howard Bond

"The Nation's Business Paper"

Companion Lines: **Howard Ledger • Howard Mimeograph Howard Writing • Howard Posting Ledger**

Printed on Maxwell Offset *Basis 80—Hand Made Style finish*

Doesn't color reproduce better on Maxwell Offset?

Howard Paper Mills, Inc. / MAXWELL PAPER COMPANY DIVISION / Franklin, Ohio

We'd be pleased to send you samples of our seven finishes and two tints

Printed on Maxwell Offset—*Basis 80—Hand Made Style finish*

COLOR PHOTOGRAPH BY ANTON BRUEHL

NEWSLETTER

UP-TO-DATE BUSINESS NEWS OF INTEREST TO MANAGEMENT IN THE PRINTING AND ALLIED INDUSTRIES

Printing Business Good First Half of Next Year

Printing business expected to be VERY GOOD during first half of next year as will business generally. Maybe in last half, too...predictors won't go out on limb now. Prosperous year ahead, but with new problems, stiffer and stiffer competition...printers will have to improve production methods to keep profit percentage up.

Profits Hit New High

Third quarter corporation profits before taxes hit new high annual rate of $44 billion compared with $34 billion for all of 1954...Personal income still running ahead of estimates.

Printers Think About Year-End Tax Angles

Printers should think about tax angles in year-end planning. Corporation income tax will likely remain where it is... so no point in shifting expenditures. Small corporations taxed only 30% on profits under $25,000, 52% on profits above that figure. Many piling up expenses: making repairs, buying supplies, etc., to keep income under $25,000. Usual thing...long range merit dubious. Capital gains tax will probably not be lowered during next year.

Cash Bonus Vs. Profit-Sharing for Printers

Are you paying your employees cash bonus this year? If you do, make sure they understand just what it represents. Too many employees have grown to expect them as part of pay. Profit-sharing plans on increase with printing companies. IP will run article on subject soon.

Paper and Paper Board Production at New High

Paper and paper board production climbing to record highs, says American Paper and Pulp Assn. Consumption estimated at 34,250,000 tons, about 3,100,000 tons above 1954...per capita consumption at 415 pounds, also a new high.

Letterpress Printers Try to Stop Offset Job

Another fight by letterpress printers to stop trend of state printing to offset. Chicago Allied Printing Trades Council threatened to sue Ill. Secy. of State for awarding contract for printing motor vehicle license registration records distributed to police departments to Springfield offset printer, said to be nonexistent until bidding came up. Books had been printed letterpress by Chicago printer.

(Over)

NEWSLETTER

(Continued)

Letters Can Now Be Mailed in Packages

Printers who do mailings for customers and direct mail users can now put letters in packages without paying first class postage on entire package. Also can be done with second class publications. Post Office Department says indicate on outside of package that letter is enclosed, then pay regular rate for parcel plus 3c stamp for letter.

Close Govt. Print Shops

Pentagon closing two plants that print recruiting publicity posters. Plants are at Fort Jay, N.Y. and Marine Corps plant at Philadelphia. This makes 48 commercial activities Pentagon has closed.

Expensive Christmas Gifts on Downgrade

Printers worrying about Christmas gifts to VIP's and to customers will be delighted to know they're going out of style with big firms because of suspicion they might be regarded as bribes. Small business with limited customer lists still use them but they're likely to be simple, personal remembrances.

New Building-In Machine Does 2,600 Books Hourly

New building-in machine that processes 2,600 books an hour announced by Dexter Folder Co. Machine outmodes present manual stacking of books between boards, storing of books and boards for long periods. Estimated to save $7,500 per year...claimed will pay for itself in 3 years. Details in January IP.

Crown Zellerbach and Gaylord Merger Okayed

Crown Zellerbach Corp., giant paper manufacturers, merger with Gaylord Containers Corp. approved by stockholders of both companies. Combined annual sales close to $400 million. St. Regis Paper Co. has acquired 40% of stock of Growers' Container Corp. of Salinas, Calif. Growers makes fiberboard containers and converts flexible materials.

New 3M Lacquer Extends Offset Plate Press Run

New lacquer extends press-run mileage for presensitized photo offset plates...developed by Minnesota Mining & Mfg. Lacquer puts hard, thin film on image, protecting developing lacquer from wear and abrasion. 3M reports press runs up to 50,000 impressions. Details in January IP.

Closed-Circuit TV Use Suggested for Printers

Commercial printers may in near future use closed-circuit television for remote observation of critical press points, centralized gauge reading, watching automatic controls. Possibility reported at National Electronics Conference in Chicago.

LEADING BUSINESS AND TECHNICAL JOURNAL IN THE WORLD OF LITHOGRAPHIC AND LETTERPRESS PRINTING

The Inland Printer

DECEMBER · 1955
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Preventive Copy-Preparation Cuts Costs

- **It will also prevent ill-will or misunderstanding between the customer and printer**
- **Stops waste of time in progress of job and miscalculation of time to set the work**
- **Here are some excellent rules by top-flight expert to reduce author's alterations**

By Joseph Lasky

★ Preventive copy-preparation prevents ill-will or misunderstanding between customer and printer. It prevents the waste of time in the progress of the job. It prevents miscalculation of the time needed to set the work. It reduces expensive author's alterations. It convinces the customer that you are taking care of him to the best of your ability.

To the average hand compositor or slug-casting machine operator, "preventive copy-preparation" means the whipping into shape of raw copy so that the barest minimum of changes will be necessary after the type is set.

There was a time when operators were authorized to edit a trade publication while setting it. This would have been satisfactory if one man were setting the copy. But since two or more operators became necessary, the result was a confusion of style, a handicap rather than a help to the magazine.

Today, unless copy is edited by the customer, the chances are that it will be set exactly as he sends it to the printer, however wrong it may be. But the forward-looking printer will not go ahead with any copy that needs editing or some rewriting.

The most potent argument for customer preparation of copy is the high cost of composition. Most trade composition houses insist that their operators follow copy even if it goes out the window. They cannot be blamed for this policy, as their profit margin is shrinking constantly. The wisest policy for book publishers, companies producing magazines and trade periodicals, advertising agencies or printers is to edit copy before sending it to the typesetter.

Copy-preparation does not mean passing on editorial policy, criticizing the author's writing method, or giving opinions on his style. It does not mean reconstructing sentences, deleting paragraphs, or making radical changes based on copy-preparer opinions that are at variance with those of the author.

Applied to rough copy that will be converted into hand- or machine-set type, copy-preparation *does* mean:

Correcting misspelled words and faulty punctuation. *(Turn the page)*

Lasky's Career in Proofreading, Copy-Preparation

For more than 40 years, Joseph Lasky has been doing proofreading, and since 1928 he has been operating the Lasky Literary Service, a proofreading and copy-preparation service for printers, publishers and advertising agencies, in New York City. So it was without any qualms or misgivings whatever that the New York Estimators and Production Men's Club asked him to present a talk on the subject. This article is based on that talk.

As far back as 1904, he began his career in the graphic arts industry by serving a four-year apprenticeship in the printing office of P. W. Card in Providence, Rhode Island. In 1907 and 1908, he worked in Boston as a compositor and as owner of a small printing plant.

Mr. Lasky came to New York City in 1908 and worked as a compositor and stonehand until 1914 for Theodore Low De Vinne, Hamilton Press, Federal Printing Company, Winthrop Press, Willet Press and Technical Press. He was the owner of a medium-sized printing office for about two years.

In 1914, he began his work as a proofreader at Strickland Typesetting Company in association with Winthrop Press in New York. Later he worked for J. J. Little & Ives, Minden Typesetting Company, *New York Times*, Rudolph Guenther-Russell Law Advertising Agency, Charles Francis Press and the Composing Room. Then, in 1928, he established Lasky Literary Service.

For a number of years, he taught proofreading in New York City high schools, and is now teaching proofreading and copy-preparation at New York University, Division of General Education.

Since 1935, he has written regularly for *Who's Who in the Composing Room*, official publication of Intertype Corporation, Brooklyn. He has conducted the proofreading department in *The Inland Printer* and has written articles on proofreading and copy-preparation for other graphic arts publications.

In 1941, his book, "Proofreading and Copy-Preparation," appeared. A second edition was brought out in 1946, and the latest edition was published in 1954. In 1949, the International Typographical Union authorized him to prepare a volume on proofreading and copy-preparation for its apprentices.

Mr. Lasky is a member of the Navigators in New York City, the New York Club of Printing House Craftsmen and the International Association of Printing House Craftsmen.

Making capitalization style uniform.

Compounding words consistently.

Noting errors in the use of the singular or plural possessive.

Making a singular or plural subject agree with a singular or plural verb.

Noting that proper names are spelled uniformly.

Watching the coördination between the text reference and its footnote.

Making variable spellings uniform when they occur both ways—such variables as raveled, ravelled; vigor, vigour; license, licence; carburetor, carburettor; caliber, calibre; riveted, rivetted; sulphur, sulfur.

Watching for correct numerical order of figures and correct alphabetical order of letters. This involves the principle of sequence, which runs through the entire process of proofreading and copy-preparation. If the proofreader or the copy-preparer—often combined in one person—would comprehend the basic element of sequence, his proficiency would increase greatly.

For example, an error in numbering copy pages caused considerable trouble. The pages ran 61, 63, 62 without anyone noticing the wrong sequence. Several pages had to be remade-up at a loss to the printer and some confusion to the customer. This could have been prevented if care had been exercised.

Copy-Preparation Also Means This

Copy-preparation also means:

Noting any variations in place-name spelling.

Watching for lack of uniformity in the italicizing of newspaper, magazine and periodical names.

Making sure that quoted matter set a size smaller or indented does not take quotation marks.

Noting that centered heads do not take periods.

Taking pains that inserts and pasted marginal quotations are legibly "arrowed" to the places where they are to be inserted. Where indicated matter has been criss-crossed, it is better to use two colors to avoid wrong insertion.

Checking carefully the tie-up between the caption and the illustration to which it belongs.

Watching for uniformity in the use of abbreviations, that is, with or without periods. Many a good piece of printing is marred by such variations as A.M.G., AMG; F.H.A., FHA; A.F.L., AFL.

Noting that the use of figures and spelling them out have some basis of consistency. Excepting purely statistical work, figures at the beginning of a sentence should be spelled out. Spell out round figures in the thousands, millions and billions. Figures up to and through ten should be spelled out.

Quotations should be watched with care as to end quotes as well as beginning quotes. Within the double quotes go single quotes. Wrong use of quotation marks increases alterations on the proofs.

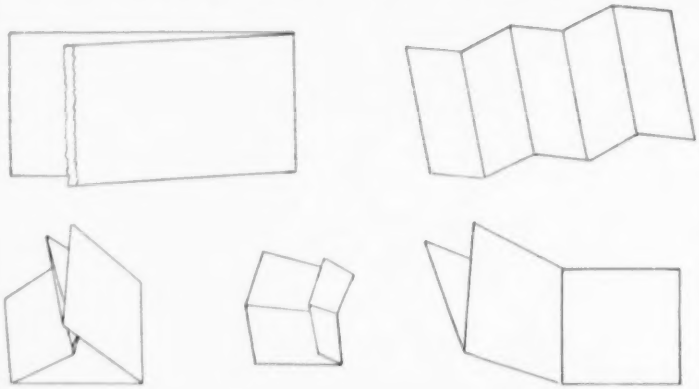
Some authors or editors underscore book titles that are in quotes. It is wrong for a title to be in quotes and italicized at the same time. Quote marks should be deleted. Periods and commas always precede end quotes, never the other way.

When you note a solid compound hyphenated at the end of a line, such as *supermarket*, identify it as a one-word form by using two horizontal parentheses after *super*. If the word happens to occur in the middle of a line, the operator will set it as a solid compound, *supermarket*. The word won't be set two or more ways.

One of the copy-preparer's prime duties is marking type sizes and kinds. There may be centered heads, sideheads, cut-in notes, extracts, and footnotes. These should be marked according to a prearranged style. Centered heads in 14-point boldface should be underscored with a wavy line, with "14 pt." marked in the margin. If the sideheads are to be set flush, lower case, in 10-point italic, the lines should be underscored with a single straight line, and the words "flush, 10 pt. lc." written in the margin.

This copy suggestion was directed at customers and appeared in the house publication, Odds and Ems, of Rand Avery-Gordon Taylor, Inc., Boston composition, letterpress, offset and binding plant

FOLDING with a PURPOSE



Many an ordinary printing job has been given a distinctive touch by use of a trick fold. Because of this, a knowledge of the principles of folding is a primary advantage to the buyer of printing.

The French fold is the most common example. It is only a step from there to the French fold with a deckle . . . or a colored deckle.

In another direction, simple accordion folds can be employed with amazing results. Some might call the folder shown at the upper right tricky . . . we call it functional. Used by many companies having a large number and variety of products or items to display, the piece is so designed that it may be opened page by page like a book or spread out to its full length to show the complete line at a glance.

You have probably seen accordion folds used in combination with a diagonal cut for another unusual effect.

Folds that produce short pages have an unusually wide application and can be used both functionally and attractively. The possibilities are almost limitless . . . but there are a few things which you should look out for such as uneconomical folds . . . these are the folds which cannot be made on a machine . . . the most common of these is the gate fold, so named because it is composed of two parallel folds, with the two end panels folding toward one another like double doors in a gate.

Other factors to be taken into consideration are: Size—most folding machines will not handle a fold of less than two inches. Number of right-angle folds—this varies according to the weight, rigidity and bulk of the stock. Grain of the stock—in most cases it is best to fold with the grain, and in many cases it is necessary or advisable to score before folding, especially when folding against the grain.

Typographers Association of New York set up this typographic exhibit for the recent convention of the Society of Technical Writers. The exhibit featured leaf from Bible printed by Gutenberg in 1455

Style of footnotes should be designated and adhered to consistently throughout. An incomplete footnote is worse than none at all. *The Times*, July, 1940, should be changed to *The New York Times*, July 10, 1940, p. 3. A weekly magazine should be footnoted as follows: *The Saturday Evening Post*, "Liberty at the Crossroads," Sept. 7, 1939, p. 80. Technical footnotes should be written: Brady, Thomas H., *Electrochemical Processes*, New Bern, Delaware, Science Publishing Corporation, 1938, p. 322.

Making style uniform throughout the copy *is so vitally important that its necessity cannot be overemphasized*. After the type is set, it's too late to make changes, because these changes will run the cost of author's alterations to astronomical figures. Here are suggestions for a style in a catalog.

Suppose the catalog describes a fine line of furniture. Throughout it will mention Hepplewhite, Chippendale, Sheraton, etc., and period styles such as Elizabethan, Charles, William and Mary, Empire or Georgian. Terms may include plywood, veneer, fine grains, grain woods, panels, inlay, carvings, turnings, etc. Certain woods may be mentioned. The word *suite* will occur often.

Arrange for Uniform Style

A uniform style should be arranged right at the beginning. Among the numerous inconsistencies, the copy-preparer may meet: Chippendale Furniture, Chippendale furniture; Period styles, period styles; ply wood, plywood; bed room suite, bed-room suite, bedroom suite; Dining Room Suite, dining-room suite. Make the style uniform, based on common-sense capitalization and consistent spelling, using an unabridged dictionary —either Webster's or the Standard—as the authority.

Do not depend on memory in setting the style. After determining what is to be capitalized or lowercased, what is two words or compounded, what spelling is to be adopted, make a written list of the terms you are likely to meet repeatedly, then study them until they are memorized.

Copy-preparation requires coördination of two abilities—a thorough knowledge of the many typographic factors, and a fair understanding of "Printers' English," namely, capitalization, punctuation, division of words, compounding, and the trained eye that can see inconsistencies and correct them so that uniformity may be achieved.

These factors, *as they apply to copy that is to be hand- or machine-set*, create a vast improvement in the printed page. They should be a definite part of the service rendered by every printer who does quality work.

Qualifications for Responsibilities

Who is qualified by training and experience to take on the responsibilities of copy-preparation? The proofreader. The comparatively new vocation of copy-preparation gives a greater latitude than is permitted in proofreading. One must be equipped to perform the exacting work involved. The work means a bigger income, increased prestige, a challenging opportunity to use one's knowledge and resourcefulness, and inward satisfaction —an important element in achieving contentment in one's work.

I have left to the last a brief discussion of the profession of proofreading and the qualities necessary to attain success in this exacting pursuit.

Alertness is a *Must*. It is shown by the various ways in which a proofreader uses his intelligence, common sense and ability to recognize the shortcomings of the customer or editor as indicated by the copy and proof.

A proofreader noticed that the connection between the last word on a page and the first word on the following page did not make sense. He found that the author had written some material on an insert that had been folded back so neatly that no one would be encouraged to turn the page to the additional piece of copy. Much needless remaking-up became necessary. This is an example of poor copy-preparation. Inserts should be made obvious to the printer.

An advertisement in two colors had carried a line that a product would be sold at a 20 per cent discount up to the end of July. The ad appeared in the August issue. The discount line was no longer timely.

A large ad stated that a product came in 12 colors. Two had been eliminated in the illustration, but the heading still read "twelve colors." No one noticed this grave error until the magazine had been printed.

Preventive copy-preparation and its inseparable twin, proofreading, go back five centuries to the birth of Gutenberg's movable types. Among the great scholars of the past who practiced these two arts were Aldus Manutius, the father of present-day punctuation; John Amerbach, great European scholar who prepared the copy of grammars, textbooks and dictionaries; Geoffroi Tory, a faculty member of the University of Paris, and Christopher Plantin, who became the founder of the famous Plantin Press in Antwerp.

Men of Letters Have Held Job

American men of letters who were copy-preparers and proofreaders are Bret Harte, Mark Twain, Walt Whitman, Horace Greeley and Henry George, founder of the Single Tax Movement.

From the standpoints of good-will between the customer and your firm, efficient production, waste prevention, and recognition that preventive copy-preparation will reduce costs and increase profits, there can be little doubt that the addition of this element to other services will directly benefit printing buyers and every printing firm which utilizes it.

Casting Buckled Mat

Quite often a mat will buckle while casting, and sometimes nothing can be done to get a good cast from it.

Here's a way in which a good cast may be obtained. Dampen the mat just enough to soften the buckled spot; use glycerine if possible, otherwise use water. Cut strips of chipboard the same thickness of the bearer portion of the mat, and use paper tape to fasten to the sides of the mat, leaving space for expansion and flattening of mat. Put this "expansion joint" on all four sides. Place the mat and tail in scorcher, heat thoroughly, and cast in the usual manner. Unless the buckle is very severe, you will get a usable cast. In casting wide mats, particularly those with large, solid areas, as half-tones, use this expansion idea, and in that way the mat can spread out when metal is poured.

Two Billion Holiday Cards Goal This Year

- **American Christmas card business in 80th year**
- **German woodcut first holiday card 500 years ago**

By Hal Allen

Eastern Editor, *The Inland Printer*

★ Heralding Christmas, 1955, is a gallery of greeting cards that trace their ancestry to a German woodcut made five centuries ago. This year's display, marking the 80th anniversary of American Christmas cards, came from hundreds of producers ranging from small handworking groups to plants turning out millions of units. For them and their distributors, the coming Yuletide should be pocketbook-happy. Their sales are expected to hit a new all-time high of two billion cards. Cash registers are due to ring the merry tune of some $175 million.

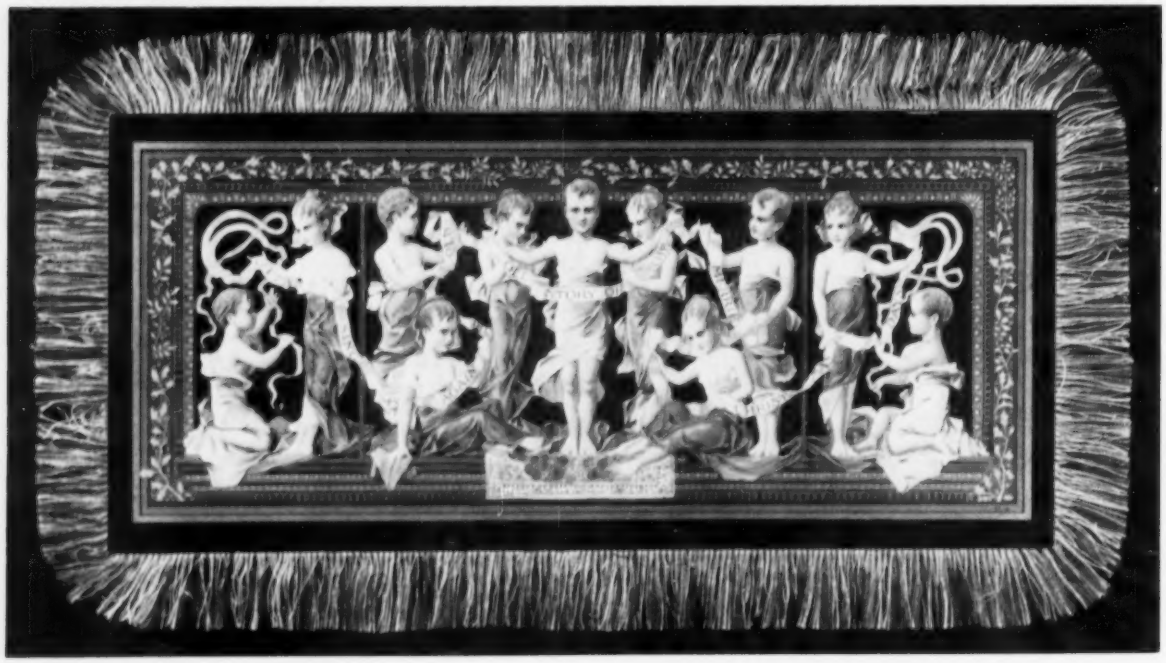
That German woodcut carried a New Year greeting. The oldest known Christmas card, lithographed and hand-colored, was designed by British Royal Academician John C. Horsely for Sir Henry Cole's "Xmasse 1843."

Another card, displayed in the British Museum, was for many years supposed to be the world's first printed Christmas greeting. Etched by William M. Egley, 16-year-old London engraver's apprentice, it seemed to be dated 1842. But on the back of his own framed copy Egley wrote "1848. Second ever published." Experts believe that distortion of the second figure 8 made the date on the face of the card look like 1842.

This snowy, wintry Christmas card hat was designed by Christmas card maker from several of his frostiest greetings to take printers' minds off snow and ice. The pretty model, bathing suit, etc., had nothing to do with it

Louis Prang, who set up a stone litho plant in 1856, was the grand-daddy of the American greeting card industry. After developing a process for reproducing oil paintings, he launched a series of deluxe cards that found ready sale in England. From his Roxbury, Mass., plant, where he operated 40 presses, he introduced in 1875 the first com-

First American Christmas card series was produced 80 years ago by Louis Prang in stone litho plant he set up. Many were in 12 to 17 colors, had silk fringes



plete line of American Christmas cards. Their designs and formats, fancified with silk fringe borders and often reproduced in 12 to 17 colors, were typical of the elegant '80s and the chromos of the late '70s. Prang stopped producing cards in the early '90s, when cheap imports flooded the market.

Flooding the market now is a greater variety of American-made Yuletide greetings than ever before. They include many innovations that were unheard of a few years ago. There's a wider selection of shapes and sizes. The long slim variety vies for attention with square formats. Some cards are in eye-stopping angular forms. The trend is away from traditional sizes and shapes to which buyers are accustomed.

Another new feature is the greater use of genuine vegetable parchment paper. This stock was popular many years ago, but mainly for cards showing illuminated antique lettering. Parchment has a charm all of its own. Its revival finds it lending itself to a wide variety of attractive designs never before reproduced on such stock.

Other innovations include new sparkling glitter effects and a marked increase in artistic design values and in the use of short, simple sentiments and verses. Fabrics, little plastic gadgets, satin puffs, sequins, die-cut attachments and other devices give many cards an intriguing dressed-up look.

Finding the right card for the right person becomes easier each year. There are cards for the newsboy, the milkman, the doctor, the nurse. Some read "from our cat to your cat." These and other "specials" keep growing in volume and variety. Still popular, of course, are family cards. Mother, wife, and sweetheart are most popular in that proper order. You can wish a merry Christmas to your "kiddy cousin." Somewhere there must be cards to send to your mother-in-law.

The secular phases of card sending are yielding ground to greater use of reverent greetings. Selection of religious cards has more than tripled during the past few years.

Right: Current Christmas cards carry most popular Yuletide symbols. Fastest-selling cards are strong on color and eye-catching realism. This year's crop also shows trend to Christmas yesteryear style. Many buyers go for whimsical, smile-tickling designs. Right bottom picture shows Virkotype machine hooked up to No. 4 Miehle press turning out 2,500 cards per hour. Below: A facsimile of the second-oldest Christmas greeting card

This Time-Clock System Works

- **American Printing Company in Galveston, Texas, with 30 employees, has successful plan**
- **Time clock was installed in each of five operating departments in convenient locations**
- **Here are the details of a simple system that tells the owner what his job costs are**

★ A time-clock cost system that really works is used by the American Printing Company, of Galveston, Texas. Vernon Fain is owner and manager.

When a job comes into the plant, which employs some thirty people, the job ticket is made out with a duplicate sheet for the office, the cutting room and every department through which the job will pass.

The plant has five operating departments: a composing room, letterpress department, litho transfer department, litho pressroom and bindery. A time clock, in a location convenient to employees, has been installed in each department.

Cards, originally designed for IBM machines, but now filled and handled manually, are supplied workers in each plant department. Each card carries the job number, the employee's number and a series of key numbers that cover the particular operations in that department, divided into productive and nonproductive time.

Key numbers in the letterpress department, for example, run from 145 to 190,

By J. H. Reed

and indicate chargeable and nonchargeable time as follows:

Letterpress Department

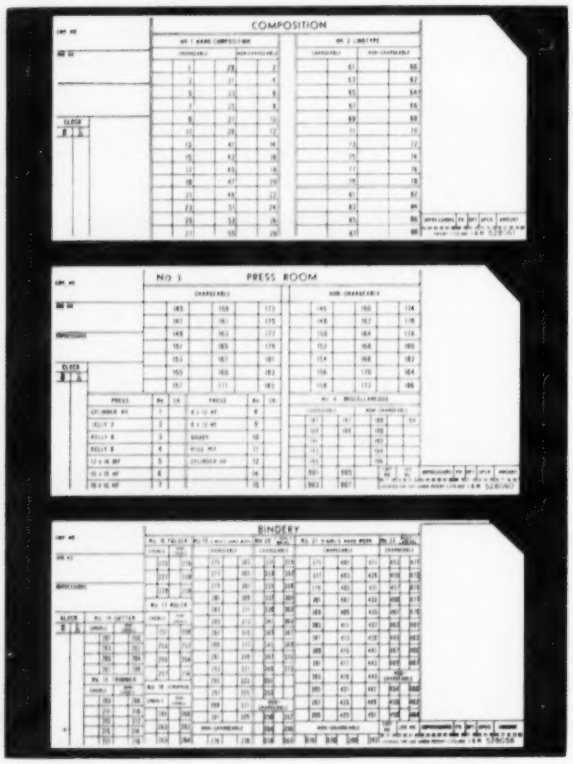
Chargeable Time

145 Wash-up.
147 Register.
149 Makeready.
151 Running.
153 Press Change.
155 Pulling Press Proofs.
157
159 Waiting for Ink to Dry.
161 Chargeable Standing Time.
163 Bronzing.
165 Holding Press on Customer Order.
167 Holding Press Proof (Customer Order).
169 Holding Press (Customer's Fault).
171 Mixing Ink.
173
175 Setting Numbering Machines.
177 Mounting Plates.
179 Rectifying Cuts.
181 Justifying for Imprinting.
183 Setting Perforator or Slitter.
185

Nonchargeable Time

146 Washup (General).
148 Oiling.
150 Waiting for O.K.
152 Waiting for Form.
154 Waiting for Stock.
156 Waiting for Ink.
158
160 Changing Bad Letters.
162 Standing Time (Faulty Composition).
164 Standing Time (Faulty Imposition).
166 Standing Time (Laying Plates Wrong).
168 Standing Time (Rollers Run Down).
170 Accidental Delays.
172 Repairing Feeder.
174 Repairing Motor.
176 Repairs (General).
178 Machine Idle.
180 Waiting for Press Change.
182 Foreman's Supervision.

Left below: Job ticket is made out with duplicate sheet for office and various departments through which job will pass. Right: Cards, designed originally for IBM machine, filled out manually by workers in each department. Each card carries job number, employee's number, key numbers for various operations



184 Repairing Belts.
186 Repairing and Cleaning Numbering Machines.
188 Waiting for Thermograph To Heat.
190 Changing Press from One Job to Another.

At the beginning of any operation, the operation number is checked, and the worker inserts the card in the time clock, which records the time the operation started.

The clock records the time in units of six minutes, or ten units to the hour, and as soon as the operation is completed, the card is again inserted in the time clock and the completed time recorded on it. This is done with each different operation performed while the job is in the plant.

At the end of each day, the cards are deposited in a box in each department, thus forming a record of the progress made on each job each day and providing means of accurately determining chargeable and nonchargeable time and the cost of each operation.

When the system was first put into effect, Mr. Fain put locks on all of the card-deposit boxes to prevent workers from getting the cards out again.

But this has not been necessary for some time, and he recommends it only as a "starting precaution."

Each morning, before work starts in the plant, the cards are gathered from the boxes in the different departments. They first are checked to make sure that 80 units, comprising an eight-hour day, are accounted for.

Posted to Cost Summary Sheets

They are then arranged by jobs in numerical order and posted to the cost summary sheets, which are also kept in the office in numerical order. One employee processes all of the cards and translates the units into dollars and cents.

The stock desk then figures the stock cost for the job and this is added to the labor cost, giving the total cost of the job.

This system enables the company to give prompt billing on every job turned out, for all jobs completed one day are processed on the following day and sent to the accounting department for billing. In this manner the bill can be sent immediately after the job is delivered.

In the composing room, the company keeps time on the Linotype machines and Monotype by machine number, and also in the pressroom. Records of hand operations are kept by employee number, as are those in the litho transfer department, while in the bindery, records are kept for cutters and folders by machine number except "B", "C" and "D".

Not only does this system provide an accurate check on the manner in which an employee spends his time—his number is on every time-card—and gives an accurate record of chargeable and nonchargeable time, but it also permits an accurate and detailed check on regular time and overtime.

Overtime is posted in a colored pencil on the summary sheets.

With this system an accurate and foolproof check can be made on men, machines, makeready, running time, impressions, or any operation or combination of operations desired on any job done in the shop.

And by checking nonproductive time, the company has been successful in eliminating many of the delays attendant upon printing jobs, such as waiting for stock and waiting for O.K.'s, thus speeding up the delivery of jobs.

With this system, Mr. Fain handles from 500 to 600 jobs a month, without a hitch in his job scheduling, and normally has between 350 and 400 jobs going through the shop.

When the system was devised (it is a modification of a PIA cost system), Mr. Fain was told that the workers would never submit to it; that they would walk out on him.

They didn't.

And now it is the biggest factor in the smooth operation of his plant, and the basis for making a profit on every job the plant turns out.

Six Printers Make Seals

Those Christmas seals mailed to millions of homes to raise funds for fighting tuberculosis were designed by Jean Simpson, who began free-lancing in New York City five years ago after studying at the Philadelphia Museum School of Arts. She is one of the youngest artists to win top honors in the National Tuberculosis Association's annual seal design competition.

Miss Simpson's design shows a boy and a girl carrying Christmas gifts—dark blue background for the boy, apple green for the girl. The seals, carrying NTA's doubled-barred cross symbol, were printed in four-color offset by six plants: United States Printing and Lithographing Co., Mineola, N.Y.; Edward & Deutsch Lithographing Co., Chicago; Eureka Specialty Printing Co., Scranton, Pa.; Fleming-Potter Co., Inc., Peoria, Ill.; Strobridge Lithographing Co., Cincinnati; Western Lithographing Co., Los Angeles.

New Thinking on Selling By Demonstration Plan

Too much of selling today still relies on the inspirational sales talk. The new thinking of selling today is the one which applies the demonstrating ability of the salesman. The way to sell is to demonstrate graphically the benefits of the products you are offering.

A printing salesman's demonstration should start with a visual selling portfolio which should include samples and short case histories of each piece shown. Copy under each sample should state whether it is offset or letterpress; stock the job was printed on; how many colors; time it took to produce from receipt of artwork or plates; etc.

The second important phase of the demonstration should be a conducted tour of your plant. Don't be afraid to show him your shop because it is small. You'll find that most prospects will be more impressed with your enthusiasm and confidence in what you have, than the size of your plant and equipment. At any rate, there is no need to give excuses. You are showing him exactly what you have to offer and what you have you are proud of.

The third important step is after you receive the order. Demonstrate to the customer that the quality is up to par. This will be accomplished only by keeping a check on the quality in the process of production. Equally important is to deliver the job on time, as promised.

Start applying this "New Thinking on Selling" today! Demonstrate! Show! You'll be glad you did.—*Benjamin S. Berkowitz in The Centralite.*

Reversing Numbered Sheets

Consecutive numbering often makes problems for printers because of the time involved in going through the sheets and turning them by hand to get the numbers in correct sequence. One printer met the problem successfully by tying a string across the two guides that hold the paper after it's printed, when running numbering machines on an automatic press. As the sheet drops, the string flips it over and there's no shuffling and sorting afterwards. Works best on index cards, but could also be helpful on lighter stock.

Screen Printing Uses Lithographic Techniques in Tusche Stencil Plates

- **Tusche method used especially by artists in creative work**
- **Stencil-making process important as others for screen plates**

Sixth of a Series

By Victor Strauss

Presentation Press, New York City

★ Water and oil don't mix! In the invention of lithography by Alois Senefelder the application of this old saying to the art of printing played a very important part, as Senefelder emphasized.

In stone lithography, the printing form consists of a limestone slab on which the copy or design is painted with a fatty ink, called lithographic tusche. As long as the stone is kept moist, printing ink sticks only to the areas which have become greasy by tusching, but not the rest of the stone. The ink is transferred from the stone to the stock, and the print is a reproduction of the tusched form.

Some of the fundamental elements of lithography have been borrowed for the silk screen process, where their application to stencil making is known as the *tusche method*. The tusche method is primarily popular with artists who use silk screen as a medium of self-expression, and most *serigraphs* are made by the tusche method or variations of it. Serigraphy is a new branch of the graphic arts.

Because the word *serigraph* cannot yet be found in the dictionary, I shall say a few words of explanation. Carl Zigrosser, curator of prints at the Philadelphia Museum of Art, created the word serigraph on the occasion of an exhibit of artists' screen prints at the Weyhe Galleries in New York City in 1942. At that time silk screen was not too highly respected. Many people considered it a cheap substitute for other, more expensive printing processes. It is easy to understand, then, why creative artists who wanted to make their own prints by silk screen disliked this name. It was derogatory to their prestige and not less so to the price of their work. Serigraphy, the new word, achieved the desired effect: It distinguished artists' screen prints from commercial work and put them on a higher pedestal.

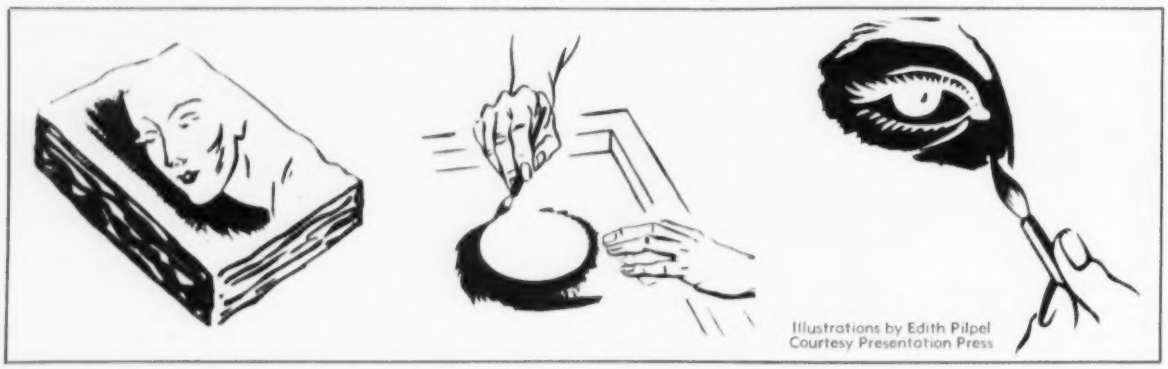
Serigraph Is Artist's Term

The word serigraph, according to its creator, should be used only for prints pulled from screens made by the artist himself and in execution of his own sketch. But the word serigraph has proved to be a very successful linguistic creation, tending to transcend the limits set by its inventor. In some European countries the word serigraphy is the name for all of silk screen, commercial as well as fine art, without regard to its original distinctive meaning.

The tusche method, to come back to our topic, is particularly suited to artists. The knife-cut film technique—so germane to silk screen—lends itself more to reproduction than to free creation. In addition, artists are not enthusiastic about film cutting because, as a rule, they are not skilled in the use of the knife and prefer to work with their accustomed tools. I believe that artists who are willing to learn to handle the knife will find a very fascinating medium of self-expression in the film cutting technique. But this opinion is not generally accepted; the tusche method, which permits working with crayon and brush, is still the most popular technique of silk screen plate-making among artists.

The tusche method is fascinating, and many beginners often forget its true purpose in their enthusiasm over the intriguing detail of its execution. But let us not lose sight of the fact that the tusche method is primarily just as much a pro-

Left: Lithographic stone inked with drawing. Center: Painting directly on the screen. Right: Direct-painting around screen by tusche stencil method



Illustrations by Edith Pilpel
Courtesy Presentation Press

cedure for making a screen printing plate as it is a means of artistic self-expression. Therefore, let me repeat that the blocking and keeping open of the pores of the screen in accordance with the design to be printed is the essential of every screen printing plate.

We have seen how this result is obtained in the knife-cut film technique. With this technique, the areas through which ink will pass in printing are stripped off the film—after cutting, of course—and only the remaining film is adhered to the bottom of the screen.

It is quite possible to obtain the same technical result by painting directly on the screen. In this case, we must only make sure that the material used for painting will block the pores of the screen completely and reliably, that ink cannot pass through the painted portions of the screen. In this kind of stencil the ink passes through the screen everywhere except the areas in which the pores have been blocked by painting.

Painting directly on the screen has its place, too, particularly for one-color jobs which are printed in light ink on dark stock. But for multicolor jobs, direct painting is hardly ever practical. In direct painting, you work in reverse. That means that you must paint all areas on the screen through which ink must *not* pass during printing. Painting in reverse is a very tedious and unpleasant task; it stifles the imagination of the artist and breaks the sway of his hand.

Tusche Overcomes Handicap

The tusche method overcomes this handicap. Here, the artist is relieved of the strait jacket of reverse painting. He can really paint what he wants to see in print. He is as free and unencumbered as if he were painting on paper or canvas.

But how is it possible to paint on the silk and still print through the painted areas? This apparent contradiction is solved by introducing two intermediate steps between the painting of the screen and its use as a printing plate. The two intermediate steps serve the purpose of reversing the design in the pores of the screen.

First, all pores left open after painting are blocked by scraping a solution of glue all over the screen. And here is where we utilize the fact that oil and water will not mix: the glue is repelled by the tusched areas.

The second intermediary step follows after gluing. Now the tusche and lithographic crayon are etched out with turpentine or a similar solvent which does not dissolve the glued areas. The result of these two intermediary steps is a printing plate that corresponds to our design and which permits positive printing of the ink on the stock. My next article will explain the details of this technique as it is applied to everyday work.

$3 Million Returned to Treasury By United States Public Printer

For the third time in less than two years, Public Printer Raymond Blattenberger has taken the otherwise unprecedented action of voluntarily returning money out of the Government Printing Office capital funds to the U. S. Treasury. Two previous refunds of $5,000,000 and $3,000,000 have been increased by a third check, which brings the total refunded to $11,000,000.

In a letter presented to Secretary of the Treasury George M. Humphrey at the Treasury Department, along with the check, Mr. Blattenberger said:

"In the two and one-half years that I have been Public Printer, the Government Printing Office has turned in to the Treasury of the United States $8,000,000 as a part of our contribution to the efficiency and economy program of the Eisenhower Administration. Being cognizant of your continuing program at the Department of the Treasury to reduce expenditures and to increase further the effectiveness of Government operations, I take real pleasure in presenting the enclosed check for an additional $3,000,000 which represents savings made in the operation of the Government Printing Office during the fiscal year 1955.

"While these savings of $11,000,000 were being effected, we have also absorbed three wage increases which now total $2,875,000 a year, and at the same time have put into effect a general 5 per cent reduction in labor charges for printing which this office produces for the various agencies of the Government. We have made additional reductions in our charges for offset printing, which in some operations amount to 25 per cent, as a result of a reorganization of our offset printing program. Although the total number of employees on our rolls has decreased by 800, the value of work performed in fiscal 1955 increased more than $3,000,000.

"From your over-all view of the Federal Government, I realize that the Government Printing Office is an extremely small segment. However, I want to assure you that in our area we are doing everything possible to carry out the pledges of the Eisenhower Administration to conduct necessary Governmental operations as efficiently as possible."

A $3 million check, representing savings in GPO operations, is presented to Treasury Secretary George M. Humphrey (left) by the U. S. Public Printer, Raymond Blattenberger, in Washington

Fitting Copy in a Circle

Where matter is set up inside a circle, a very careful cast-up should be made to insure that resetting may not be necessary. The best way to do this is to square the diameter of the circle (measured in picas) and take three-quarters of the result. This will be the available area expressed in 12-point ems. Multiply this by 144 and divide by the number of characters in the copy, and the figure which results will represent the number of square points in the average character of the size used. Some faces are wider than others, but an average 12-point will have 61 square points to the character, while 10-point runs 45 square points to the character on the average. The 8-point face can be considered equal to an en quad, or 32 square points.

Holder for Large Copy

Many times linecasting machine operators get a full-page advertisement, page proofs, etc., that are impossible to fold up to fit the copy pan. A good way to handle them is to rivet a small strip of thin steel rule across the top of the brass assembler entrance cover. By putting the paper under a small magnet, the copy can be held in any position without having to double it.

Better Slugs for Stereos

Linotype slugs to be used for stereo mat rolling require greater care in casting than those ordinarily cast for regular slug-to-paper work. Reducing Linotype machine speed will assure you of a finer solid slug that will be suitable for stereo mat rolling.

To Keep Ink Knives Clean

Put dirty ink knives in a jar or can filled with kerosene. When ready to use, just take the ink knife and wipe with a rag. This will keep ink knives clean and ready to use at any time.

Pricing in a Competitive Market

- Old-timers had a simple rule for realistic pricing that still is an excellent guide
- The old rule: Charge the correct price for every job that you produce in your shop
- Here are five easy points that you can use to determine when your price is correct

No. 8 and Last of a Series

By Olive A. Ottaway
Executive Secretary
Toronto Graphic Arts Association

★ Throughout this series of articles, I have endeavored to highlight some of the weaknesses in pricing and costing procedures in the printing field. Most of these weaknesses stem from the fact that too many printers and printing buyers fail to keep in mind that printing is a custom-made product, not a production-line item.

By way of summing up, let me deal with an over-all remedy—a remedy that, properly applied, will accomplish a double purpose: it will keep the printer aware of the custom-made nature of his product, and it will keep the buyer aware that he is purchasing the service and art of craftsmen, not the output of a production line.

What is the remedy? What is the wisest policy for pricing in a competitive market? The answer is simply this: Charge the correct price for every job.

Must Arrive at Correct Price

Admittedly, that answer is oversimplified. Every printer knows that he must charge the correct price in order to operate his business profitably. But too many printers seem not to know how to arrive at the correct price.

Here, then, is a five-point formula that will enable any printer to check his pricing techniques. The formula requires these things of the printer:

He must have accurate time evaluations, based on the most efficient production methods;

He must have an accurate knowledge of his costs, based on efficient operation;

He must allow himself an adequate profit on all jobs, after all his costs have been taken into consideration;

He must steadfastly refuse to take jobs on which there is no profit;

He must refer all jobs that he is not equipped to handle to someone who is equipped to produce them efficiently.

Such a formula as this charges a number of people throughout the company with a great deal of responsibility. For example, in the matter of accurate time evaluations, we have a responsibility that certainly rests with the craftsmen in the plant. If the plant owner is basing his estimates on some industry-wide production standards, and if the craftsmen in his own plant are not meeting those standards, the owner may be pricing himself out of business by setting his costs too high or too low.

Recently I talked with the general manager of a printing plant, a man who does a good deal of selling in addition to his management activities. He began as a journeyman compositor; then he became plant superintendent, then worked in sales, and now he has management responsibility, too.

In discussing his rise through the company's ranks, this man said, "I wish every journeyman could know what I know now—it would revolutionize production in our industry. I don't mean that our plant employees 'soldier' on the job, but we could increase our efficiency and improve coördination between various operations. This would help keep costs down, improve the profit situation, and consequently improve the security of the workers."

This statement deserves the serious consideration of all management, and it leads naturally to the second part of our pricing formula—the accurate knowledge of costs.

Here, it is important to remember that *all* cost accounting records are important. It is impossible to arrive at an accurate picture of costs simply by referring to the balance sheet or the operating statement. All the subsidiary records must be considered, too. Any printer who does not understand the value of these cost records to his business would do well to devote a good deal of time to studying them in detail and learning the part that each plays in furnishing him with the means to control his business.

The third and fourth parts of the pricing formula—pricing jobs at a profit, and refusing unprofitable jobs—we can consider together, because they are closely allied.

Cultivate Successful Customers

I talked not long ago with a successful salesman in a manufacturing industry, and he told me how he had just turned down a substantial order. Why did he refuse the order? "I didn't feel that I could develop it into a profitable account," he said. "If I began by quoting a low price that would assure my getting the initial order, I would have been putting my product at a disadvantage. I want to cultivate successful customers, not just those who are merely looking for a bargain.

"I work frequently with printing firms," this salesman went on, "and I'm continually amazed at how many of them seem to have a sliding scale of prices. This type of behavior is more difficult to understand in the printing industry, where the product is made to individual requirements, than it would be in my industry, where we manufacture a standard product in quantity. If I feel I must turn down an order rather than cut my price, how can a printer afford to take work at cut prices?"

Don't Use Wire Paper Clips

...ON STEREO MATS. If the clip extends over the printing area of the mat any accidental pressure on it may break down the formations of the mat and damage it to the extent that a good cast cannot be made from it. Use cement or Scotch tape to fasten instructions to the mat, or enclose them together in an envelope.

...ON UNMOUNTED ENGRAVINGS. The halftone dots or fine lines of a photoengraving are delicate and easily damaged by any hard substance like a paper clip. Tape small engravings to the layout or instructions.

...ON GLOSSY PHOTOS. Wire clips bend the surface of the print which photographs as a reflected streak of light on the halftone negative. For the same reason, don't write on the back of a print with a lead pencil unless it is laid on a hard surface like glass, which prevents denting the glossy face of the photo. It is better to write instructions on a separate piece of paper and tape or cement the sheet to the bottom edge of the print. Cropping marks should be done with a grease or china-marking pencil on the edges of the photo.—*Scott Talks Type*

The fifth and last part of our pricing formula is a simple point and one that most printers already are practicing—simply, refer all jobs that you are not equipped to handle to someone who can produce them efficiently.

In this era of specialization, there are many plants that specialize in very limited types of work—business forms, packaging materials, or magazine and book production, for example. Even among the general commercial printers, not every shop is adequately equipped to handle every type of commercial work. Here is where the printer can and should exercise his will power. When he knows that another plant can handle a special job better than he can, he should personally refer the job to that plant.

By doing this, he stands to gain in several ways. He avoids alienating his own craftsmen by asking them to do a job for which they have neither the necessary equipment nor skill. He builds good will with his competitor. And he impresses the customer with the fact that he is interested primarily in the customer's welfare. The customer, in turn, gets a top-quality printing job. And if the customer ever had any idea of playing one printer against another, he is made to realize that all work together and that this sort of tactic will be useless.

Yes, competition is keen these days. But competition doesn't automatically mean less profit. By keeping always in mind the five-point formula for pricing, and by always making sure that every price you quote is in every way the right price for that particular job, there should be no question about your making a comfortable profit.

Skip Wheel Combinations

Many printers get into a tizzy trying to figure out combinations of skip wheels for numbering machines. Here is a simple way to find the proper wheels.

If you want a skip-three wheel, set down digits in this order:

1	4	7	0	3	6	9	2
2	5	8	1	4	7	0	3
3	6	9	2	5	8	1	4

In this instance all wheels will bear the same numbers, in 1-4-7-0-3-6 arrangement, with the first machine set on 1, second on 2, and third on 3.

If skip-four wheels are wanted, do it this way:

1	5	9	3	7	1	5	9
2	6	0	4	8	2	6	0
3	7	1	5	9	3	7	1
4	8	2	6	0	4	8	2

This time you will need two wheels each of two different combinations, as the chart will show.

This method will work on any number of skip wheel arrangements and will take a lot of guesswork out of putting skip wheels on numbering machines.

Typographic Scoreboard

Subject: Vogue

Issues for September 17, October 1 and 15
217 one- and two-page advertisements

Type Faces Employed

Bodoni (M)	38
Bodoni Book (T)	16
Bodoni Bold (M)	1
Vogue (M)	14
Vogue Light (M)	4
Century Expanded (T)	7
Century Schoolbook (T)	5
Century Bold (T)	1
Times Roman (T)	5
Venus (M)	5
Caledonia (T)	4
Caledonia Bold (T)	1
News Gothic (M)	4
Bernhard Roman (M)	3
Garamond Old Style (T)	3
Garamond Bold (T)	1
Baskerville (T)	4
Cloister Old Style (T)	2
Copperplate Gothic (M)	2
Bulmer (T)	2
Cochin (M)	2
Typewriter (M)	1
Weiss (T)	1
Scotch Roman (T)	1
Bookman (T)	1
Electra (T)	1
Fairfield (T)	1
Eden (M)	1
Futura (M)	1
Caslon (T)	1
Lino DeVinne (T)	1
Deepdene (T)	1
Ads set in traditional types	76
Ads set in modern types	59

Twenty-one advertisements which are completely hand-lettered—all but one in modern styles—are not included in the above tabulation. Not included either are 61 advertisements, each set in such a mixture of different styles with no one dominant enough to be credited. These are included in the compilations of Layout, Illustration, and General Effect—below. All, therefore, have their effect on the complete analysis. It should be mentioned, too, that the display of 16 advertisements credited to traditional types in the list Type Faces Employed (above) is in types of modern character. More advertisements are, therefore, modern in so far as type is concerned than the 76 to 59 totals below the listing suggest. To get the complete picture, one must consider the three final tabulations below.

Weight of Type

Ads set in light-face	62
Ads set in bold-face	62
Ads set in medium-face	11

Layout

Conventional	133
Moderately modern	80
Pronouncedly modern	4

Illustration

Conventional	142
Moderately modern	71
Pronouncedly modern	4

General Effect (all-inclusive)

Conventional	67
Moderately modern	143
Pronouncedly modern	7

With most of them a scramble of conventional and modern devices, analyzing Vogue ads is puzzling. Bleeding off of picture, not its impact, makes DuPont page *faintly* modern. Straightforward set-up on right emboldens Scorekeeper to name it best conventional despite the head

IV. WHITE SPACE AND MARGINS

★ Some attention has already been given the matter of white space, but only in relation or incidentally to other features. We found its fundamental effect illustrated in the opening chapter (where foundation principles of display were considered in an introductory way) by the space placed between words to set them apart and thereby make them individually distinguishable.

MODERN TYPE DISPLAY

By J. L. FRAZIER

We also found that by setting apart from other lines of the display those groups of several lines which, taken together, expressed a single thought, comprehension was made easier and initial impression more forceful because the reader received each thought as a unit, without conflict with other lines or groups. Nevertheless, it was the white space, a greater amount appearing around such groups of lines than appeared between the lines themselves, that caused these lines to appear grouped.

The white of the paper represents the foundation upon which we build our typographic structures. In fact, it is the foundation of all our display work. The black type impression represents the constructive element which stands out. Too often, however, we note evidences of the belief that this constructive element is the only feature of display worth consideration. This belief accounts for the frequent use of larger and bolder types than are necessary or desirable. We forget, it seems, that the white, although negative in itself and although carrying no impression to the mind, is the thing that makes our type impressions distinguishable.

Specifically, we find the need of white space even in the individual letters of the types we print with. In their construction, white space is more important than we often consider, its effect in the legibility or lack of legibility of the letters being marked. Even when perfectly printed, letters may be difficult to recognize if there is not in them an adequate amount of white space, as, for instance, in the center of the "o," the loops of the "p" and "b," the spot at the top of the "e" and at the bottom of the "a," and between the stems of the "m," "n," "h," and "u."

One of our older type faces, Cheltenham Old Style, is not as legible as some others largely because of the points set forth above, although its condensed shape also has an adverse effect in that respect. Actually it is this condensed shape which accounts for the lack of white inside the letters. Cheltenham Wide is much more legible, because there is more white inside the letters.

There must also be sufficient white space between the letters. Otherwise, the eye may mistake "ol" for "d," "rn" for "m," etc. Fortunately, the compositor need not worry on this score. In the letters foundries supply, and especially in those roman characters which have a serif extension that must have a place on the body of the type, the matter of space between the letters has been taken care of and no difficulty is experienced in distinguishing between them. Nevertheless, in capitals, especially extended capitals, full-faced letters often must have extra space between them. Otherwise, the appearance of adjacent letters may effect queer combinations to handicap legibility.

Admitted, as it must be, that there is need for white in and between letters, as well as between words, we come to the question of white space between lines, where it is likewise necessary. This matter, however, is also largely taken care of by the foundry with the blank space we call the "shoulder" which extends from the bottom of the letter itself to the edge of the type body. In amount, this space varies from much to none at all, the size of the shoulder being determined by the length of the descenders. The space at the top of small lower-case letters also provides some white.

Where ascenders and descenders are exceptionally long, as in Cloister and Bodoni, we find that leading in large blocks of a single size is needless. This is true for straight reading matter, but not necessarily for display, where division may be greater. Other type faces, where the shoulder is small, are improved, even in straight matter, by line spacing.

From a strictly esthetic standpoint, the appearance of most roman type styles is more pleasing in mass when lines are not leaded, the shoulder on the body being so regulated that the black impressions of the type and the white space between words, letters, and lines blends into an even gray. While we must admit the excellence of such composition from an artistic standpoint, as students of display who realize that typographical work must interpret and attract, as well as appear pleasing to the eye, we must not hold to that style of work except in the text volumes printed for leisurely reading.

In display we must have more illumination than in straight matter, and we must have that light distributed at the points where it will do the most good in providing distinctions through division or separation. Adequate spacing of lines is necessary not only for the reasons outlined above but also to lead the eye along easily and to give the individual word the separation above and below which it needs to the right and left. Type must surely have a relief of white in, outside, and around it to invite the eye and make reading easy.

No absolute rules can be given to govern the exact amount of white necessary around the various styles of type. As a general rule, however, small sizes of type

PROMINENCE

Figure 29

WEAKNESS

Figure 30

In general, the effect of white is to set apart the letters so they can be recognized, to separate the words so they may be readily distinguished, and to divide the matter into paragraphs, or groups, to afford respite as well as to interpret the meaning. In these three respects particularly, it is closely identified with division or separation. White space also has much to do with emphasizing important parts, and, in the form of margins, serves to unify the whole composition.

require less leading than larger sizes, while bold-face requires more than light.

Furthermore, and this is absolute, the characters used in certain lines frequently make it necessary to space differently even in the same block of type of uniform size. In a mass of eighteen-point display, for instance, the first few lines may have an adequate amount of white space between, but then there may be a line which, though spaced uniformly with those above, appears crowded because it contains a greater number of capitals as well as lower-case letters with ascenders and descenders.

In a mass of lower-case, there may be a word or two emphasized in capitals. If there is no additional space above the line containing the capitals, that line will appear to crowd the line above. Figure 18 showed lines that appear uniformly spaced because additional space was placed above the line in the body which is set in capitals. The compositor who goes ahead spacing all display lines uniformly, without considering these points, is not awake to the fine points of his craft.

In the indention of each new paragraph in the reading matter of a book or newspaper, or the body matter of an advertisement or circular, we discover another application of white space. This small square of white makes a break in the regular outline of the page which arrests attention and makes the type appear inviting and easy to read. The effect of white space in this respect may be easily tested by selecting an example containing long paragraphs and one broken up into short paragraphs and comparing their effect.

We now come to that part of the discussion of white space which involves the commonest understanding of its meaning. A line of type the size of that shown in Figure 29, placed alone on a page the size of this, would not provide the greatest possible amount of strength. Space would be wasted and the line would appear to be lost. The proportions would be better if the line were set in larger type or if, as set, it were printed on a smaller page. It might be possible to find a point where the relationship of type size and space represented the ultimate in contrast along with economy of space, but it would be difficult to decide between several combinations of type and space that most nearly represented that point.

While we would not declare that the relationship in Figure 29 is perfect, it must be admitted nevertheless that the line has an emphasis far superior to that in Figure 30, where it is so closely surrounded by the multiple-rule border that the words are fairly smothered. To work efficiently, type must have breathing room, and in typographical display that means white space. Obviously, close proximity of border to type handicaps the clearness and effectiveness of the type.

The effect of adjoining displays, as in advertisements on the newspaper page, must be considered while work is being set. Otherwise, a heavy line or group of lines, or heavy rules, in a nearby space may command so much attention as to confuse the reader. Furthermore, one space should not give the appearance of running into another. If advertisers are to get the advantages of what they pay for, care should be taken to preserve unity in their display and to see that there is a distinct separation from the spaces belonging to others.

Here again the advantages of white space are obvious, for with an ample margin of white space between type and borders, advertisements will not only stand out more prominently as individuals but they will not give the appearance of running together. Readers will not be confused in the reading of one by the obstreperousness of others.

In most of the advertisements appearing in the newspapers and magazines there is a noticeable disregard of the advantages of white space. The idea seems to have been to see in what large sizes of type they could be set or how much matter could be squeezed into the space. The spaces are too often completely filled—maybe there will be a pica of space between the type and border, perhaps only six points—and the effect of congestion makes reading difficult, besides giving an inartistic appearance. Reading matter ordinarily appears part of the way around all newspaper advertisements. The reading matter runs flush to the column rule, which in turn is flush to the border of the advertisement. If the type in the advertisement is set close to the border, the reading matter of the newspaper and the type of the advertisement virtually blend into each other. If a liberal amount of white space appears between the type and border of the advertisement, the type of the advertisement will stand out more prominently and the chances for confusion will be greatly reduced. It will be emphasized in the same manner as the line is emphasized in Figure 29, not reduced in effect as Figure 30, where the border dominates.

We show in Figure 31 a group of advertisements, all of which are crowded. In Figure 32 is another group in which there is one advertisement with a sufficient amount of white space between type and border. A comparison of the two examples should prove that the advertiser who objects to paying for some white space is in reality cheating himself, for it is plain that the central advertisement in Figure 32 stands out much more than any one in Figure 31.

Figure 31

Figure 32

30 YEARS OF POLYGRAPHIC

Four-color cover of 11- by 14-inch book issued by Polygraphic Company of America to mark 30th anniversary. Book traces offset job step by step

'The Miracle of Lithography' Tells Polygraphic's Story

- **Polygraphic Company of America issues 52-page, 11- by 14-inch book**
- **History of company's 30 years in New York and Vermont featured**
- **Full-color reproductions trace typical offset job through all stages**

By Hal Allen

Eastern Editor of *The Inland Printer*

★ The Polygraphic Company of America with headquarters in New York City and main plant in North Bennington, Vt., marked its 30th anniversary by issuing a beautifully illustrated 52-page book tracing the company's history and showing an actual offset lithographic job step by step from art to final reproduction. Entitled "The Miracle of Lithography," the book was designed to mark a milestone in the progress of the process from the time when hand lithography was fading out and photo-mechanical offset was barely struggling to its feet.

Some of the 54 full-color reproductions are full 11x14-inch size. All were reproduced from 35-millimeter Kodachromes. Registration accuracy is hairthin, and reproductions line up precisely from one page into the gutter and over to the next. Laminating acetate film on the 12-point cover stock made the cover more durable and enhanced the beauty of a 11x9½-inch full-color reproduction showing the sample job in its camera stage. Said Polygraphic president Robert M. Werblow:

"All this is a feat that would have been impossible 30 years ago, when the offset process was the 'plain Jane' of the printing industry. Today it is recognized for its uniqueness and unsurpassed beauty, and it sets the standard for many fields of printing."

Fifteen pages picture the progress of that typical job—an American Export Lines poster printed on a Harris 50x72-inch two-color press, which is given a full-page showing. The text explaining each major illustrated step takes the reader to a smashing climax—a double-page spread reproduction of the finished job.

Backing the title page is a full-page picture of four spots of ink, four rollers and as many proofs from single-color plates. Facing this display is a caption that says: "Each plate prints a pattern of tiny dots which, superimposed on each other, make the four-color picture on this page."

This feature is typical of the book's comprehensive nature. In addition to telling the Polygraphic story and saluting Vermont as a beautiful land where the company's people live a good life, the book tells what offset lithography is, how it got that way, what it can do now, and where it is going.

Thorndike, Jensen & Parton, Inc., New York City, editorial and publishing counselors, prepared the material for production. Lawrence P. Lessing wrote the text. Color photos were taken by Gjon Mili and Susanne Szasz, and Irwin Glusker did the artwork.

Inside pages are Champion Wedgewood coated both sides, and Champion supplied the Kromekote cover stock. Headline type is Venus Medium Extended, and 25-pica measure text was set in Monotype Baskerville. Layout leaves plenty of white space for sharpening the effect of type blocks and color reproductions. Polygraphic printed 7,000 copies.

Robert Werblow and the vice-president and sales manager, James Werblow, were hosts at a luncheon Oct. 27 in their New York offices. Vermont Governor Joseph B. Johnson gave the anniversary cake its first cut. A certificate of merit for outstanding contributions to offset lithographic progress was presented to President Werblow by Martin Dodge of the city's Commerce Department.

Polygraphic's chief officer sees offset litho on its way to accounting for 80 per cent of this country's printing volume. "The surface has barely been scratched," he said. "Organized industry research is still on a small scale, but moving rapidly in the right direction. New aluminum, stainless steel and multimetal plates are coming to provide offset litho qualities heretofore unobtainable, and press runs in the millions from a single plate. New inks and coated papers are constantly advancing to increase offset's range and adaptability."

At 30th birthday party of Polygraphic Co. of America, Vermont governor Joseph B. Johnson gets ready to slice the cake, flanked by Robert M. Werblow (left), president, and James Werblow, vice-president

Left: Jack White, assistant research manager for LTF (center), directs the Midwest LTF Technical Forum telecast. Right: Behind-the-scenes shot of the telecast shows (l. to r.) John A. Colgan, president of the Graphic Arts Association of Kansas City; Michael H. Bruno, LTF research manager; George Krug, Krug Litho Art Co. where telecast originated; S. D. Goller, president of the Fine Arts Lithographing Co.; Martin Grayson, International vice-president, Amalgamated Lithographers of America; Frank Carl, president, Local No. 25; Arthur Welles, president, Local No. 3, Boston; Donald W. Stone, International secretary-treasurer of ALA, and Edward J. Martin, LTF supervisor, telecast's "star." More than 750 men from 12 states attended Kansas City forum, Nov. 4-5

Midwest LTF Technical TV Forum Draws 756 Crowd

Reported for *The Inland Printer*
By Mildred Weiler

An overflow attendance of 756 persons at the Midwest LTF Forum in Kansas City, Nov. 4-5, demonstrated the value of a good labor-management team, and the genuine interest of craftsmen in learning more about the techniques of lithography.

Closed-circuit television demonstrations were presented by the Lithographic Technical Foundation's research department from the Krug Litho Art Co. in Kansas City. Sixteen television sets were installed in the main ballroom of Hotel Meuhlebach.

Lithographic employers of a five-state area, in conjunction with the Graphic Arts Association of Kansas City and the Amalgamated Lithographers of America with representatives from local unions in seven midwestern cities, met in Kansas City in August to plan and promote the forum.

Lithographers came to the forum from Colorado, Illinois, Iowa, Kansas, Arkansas, Nebraska, Oklahoma, Texas, Ohio, Missouri, New Mexico and New York. Aside from the host city's representation of 369, Wichita sent more men than any of the other midwestern cities.

Every lithographic plant in Kansas City closed at noon on Friday, Nov. 4, to give employees time off to attend the forum. Men were paid in advance for the time off and will make it up an hour a day.

Sam D. Goller, cochairman of the forum and president of the Fine Arts Lithographing Co., Kansas City, said it was important for the men in the plant to have an opportunity to see and hear about new developments in lithographic techniques.

Letters and brochures, sent to home addresses, were mailed out by Burdette Yeo, secretary of the Kansas City Graphic Arts Association and Frank J. Carl, president of ALA Local No. 25, to promote attendance at the event.

"We not only invited our own members, but members of associated industries as well, whether union or non-union," said Martin Grayson, cochairman of the forum and international vice-president of Amalgamated Lithographers of America.

Posters were put up in shops and on plant bulletin boards to promote the forum. Employers held their own in-shop meetings to tell the men about the forum.

The closed-circuit TV program included demonstrations of surface, deep-etch and bi-metal plates; paper troubles and how to test for them, LTF's contact printing lamp, handling of plates on the press, new wash-up methods, and elimination of stripping, among others.

According to Michael H. Bruno, research manager of the Lithographic Technical Foundation, who conducted the quiz period at the close of the two-day sessions, practically all of the questions dealt with platemaking. Those in attendance wanted to know about presensitizing plates, gumming aluminum plates, and handling various solutions.

Edward J. Martin, LTF's TV supervisor, presented a demonstration of LTF's new ungrained deep-etch plates.

In the platemaking demonstrations, emphasis was placed on the "why" of the procedure. "There are many good platemakers in the country," Mr. Martin said, "but not many know why they do things." He explained that even a little knowledge of chemistry would help the craftsman know why he is doing certain things and thus help him not only do a better job but make the job more interesting.

In discussing LTF's year-round job at research laboratories in Chicago, Mr. Bruno said LTF is shifting its research from platemaking to the factors that affect quality.

Wade E. Griswold, executive director of the Lithographic Technical Foundation, New York, referred to the Kansas City attendance record as almost embarrassing because it was much greater than anticipated. He also pointed out that because lithography has grown so much in Kansas City during the last ten years, it now rivals St. Louis as a center of graphic arts activity.

Another LTF offset clinic was scheduled for Tulsa, Okla., Dec. 9-10.

How to Convert One-Time Customers Into Accounts

When business is good, printers sometimes use this as an excuse to deliver jobs late, to shorten quality for speed, and to develop a hurried and unfriendly attitude toward customers. Every individual, whether customer or employee, likes to feel important and now is the time to treat those new customers (who are giving you work for the first time) well and develop them from "one-time" customers into "accounts."

Buyers of printing can be classed in four categories:

1. The PROSPECT is a buyer from whom you have not received a recent order.

2. The OCCASIONAL BUYER gives a portion of his business to you from time to time, but also turns over a large portion to your competitors.

3. The FREQUENT CUSTOMER is in the habit of calling you every little while and gives you most of the business you are equipped to handle.

4. The ACCOUNT is the ultimate. He is the buyer who has so much confidence in your firm and your fairness that he turns over his printing to you without calling for competitive bids.

Your job is to make ACCOUNTS of every buyer who gives you an order, and courteous treatment and honest dealings go as far toward this goal as quality and price.—*Graphic Arts Hi-Lites*

Copperizing Image Areas of Deep-Etch Plates Studied by Lithographic Technical Foundation

One of the newer techniques in making deep-etch plates is "copperizing" the image areas. This is done by applying a copper plating solution to the plate after it has been deep-etched and washed with alcohol. The solution is swabbed over the plate for three to five minutes during which time it chemically plates the image with a thin film of copper.

An investigation of methods of plating copper with chemical solutions began several years ago at the Lithographic Technical Foundation Laboratory in Chicago. The research men were interested in several possible uses: (1) chemically plating copper on deep-etched plate images on both zinc and aluminum; and (2) on steel to eliminate stripping in the press inking system. Here is how LTF's study progressed and the results from it.

To be usable on deep-etch plates, the copper plating solution would have to be water-free so that it would not affect the hardened stencil. After checking all the references in the LTF library (largest technical library on lithography in the world), not much was found on water-free chemical plating solutions.

The first step then was to find a copper salt that would dissolve in alcohol. This was easy. Cupric chloride was the only common copper salt that fit. However, LTF's first tests with it were disappointing. Its action was much too slow and the deposit was uneven.

Cupric Chloride Not Active Enough

This told LTF's chemists that cupric chloride was not active enough chemically, and that cuprous chloride, which is more active, might work better. But, they were faced with a problem because cuprous chloride will not dissolve in alcohol. Since the chemical *is* soluble in hydrochloric acid, they tried it dissolved in a combination of hydrochloric acid and alcohol.

This mixture worked all right on aluminum. On zinc, though, it was much too active. The copper came out of the solution much too fast and in the form of a black powder that didn't stick to the plate. For the while then, LTF concentrated its efforts on aluminum.

The remaining problem with aluminum plates was fairly simple. All they had to do was experiment with different concentrations of the chemicals to see which combination did the best job. After many tests, checking out such things as the speed with which the solution worked, the color of the copper plate, and how well it stuck to the aluminum, LTF finally decided that the following formula does one of the best all-round jobs.

Copper Plating Solution for Aluminum

	Metric Units	U. S. Units
Isopropyl Alcohol 98.99%	1000 cc.	34 fl. oz.
Cuprous Chloride Cu_2Cl_2	33 gr.	1¼ av. oz.
Hydrochloric Acid 28.5%	33 cc.	1 fl. oz.

Use powdered cuprous chloride. Stir the alcohol, add the cuprous chloride while stirring, add the acid, and continue stirring until it is dissolved.

This formula is similar to one developed by Robert Barberite of U. S. Printing and Lithographing, Mineola, Long Island, N.Y. He is the originator of the technique of chemically copper plating images on deep-etch plates. His work is covered in U. S. Patent No. 2676886.

Copper Plating Steel

With this experience, LTF went to work on ways to deposit copper on steel, with chemical solutions. At that time, there was an acute need for a positive method of preventing ink from stripping from steel press rollers, without having to dismantle the press to install hard rubber or electro-plated copper rollers.

First tests showed that the copperizing solution for aluminum wouldn't work on steel. Another problem was the solution's low viscosity and fast evaporation. When it was applied to moving press rollers, it did not transfer well from one roller to another.

LTF believed that the mechanical properties of the solution could be improved by using a di-alcohol, such as ethylene glycol. The test solution that was made up, using ethylene glycol, not only solved the transfer problem, but surprisingly enough, it also made the solution deposit copper on the steel quite well.

At the time, LTF wasn't quite sure of the reason. Research workers had a hunch that it might be because ethylene glycol is also a weak sequestering agent. A sequestering agent is a chemical that physically holds the atoms of a metal that are in a solution so that their activity can be controlled. In this case, the atoms of copper were being held by the sequestering action of the ethylene glycol. As soon as the solution touched steel, however, the copper atoms were released and plated out on the steel.

Again through trial and error, LTF found that the following solution worked best on steel:

Steel Copper Plating Solution

	Metric Units	U. S. Units
Isopropyl Alcohol 99%	1000 cc.	34 fl. oz.
Ethylene Glycol	1000 cc.	34 fl. oz.
Cuprous Chloride Cu_2Cl_2	67 gr.	2½ av. oz.
Hydrochloric Acid 37-38½%	94 cc.	3¼ fl. oz.

Briefly, the solution is merely poured on the rollers after a thorough wash-up when the rollers are absolutely clean.

Who Owns Negatives?

Recently a North Carolina printer was engaged in a law suit. The question was: Who owns the offset negatives, the printer or the customer? This is a question that probably will come up more and more as time goes on. In the North Carolina case several thousand dollars were involved. The lawyers met and agreed upon a satisfactory settlement out of court. At least, the printer was satisfied.

What is the status of ownership of offset negatives? The National Association of Photo-Lithographers has this as paragraph No. 4 in its trade code: "Drawings made and manipulated by the photo-lithographer and negatives made from the photo-lithographer's original designs or from the designs furnished by the customer remain the exclusive property of the photo-lithographer." This is clear enough and the courts have upheld this.

Only when the printer specifically agrees to deliver negatives to his customer does the ownership change hands.

In practically all cases, this solution would copper plate clean steel. Almost all failures with it could be traced to the fact that the steel was not thoroughly clean. In a few reports to the LTF lab, however, experienced users had occasional failures on days when the relative humidity was low. In these cases, LTF knew that only one thing could be at fault: the solution was not active enough.

One way to increase the activity of the solution is to add water. The water allows more copper atoms to come out of the copper-chloride-alcohol solution and to become copper ions. According to LTF, these copper ions are more active than non-ionized copper atoms in a copper-chloride-alcohol solution.

Ordinarily, the solution picks up a little water from the air which makes it active enough to plate. On days of low R.H., however, this moisture was not available. So, the problem of getting the solution to plate when the relative humidity was low was solved by sprinkling a little water on the rollers when the solution was applied.

Copper Plating Zinc

So far, LTF men still hadn't had any success with chemical plating on zinc. But, after experience with steel, they had an idea. Although they were using chemicals and materials that were as water-free as possible, it might be that this was still not enough. Alcohol, 98-99 per cent, could contain a little water. Also, water forms when cuprous chloride and hydrochloric acid are mixed. LTF men reasoned that the water from these sources might be making the solution too active for use on zinc.

So, the job was to get this small amount of water out of the solution. This they did by adding some anhydrous calcium sulfate to the solution. Calcium sulfate is a desiccant; it picks up water. Desiccants are used in chemical dehumidifiers for basements and other humid areas. They are also used on dirt roads, to pull water out of the air to keep the dust down.

When calcium sulfate was put in the copper plating solution, it pulled all the water out of it, and the solution then worked very well.

As before, LTF continued to experiment with different mixtures of the materials to find the one that produced the most desirable activity and color of copper plate.

Copper Plating Solution for Zinc

	Metric Units	U. S. Units
Isopropyl Alcohol	1000 cc.	34 fl. oz.
Cuprous Chloride	5 gr.	¼ av. oz.
Hydrochloric Acid 37-38½%	10 cc.	½ fl. oz.
Calcium Sulfate, Anhydrous	112.5 gr.	4 av. oz.

Powder the cuprous chloride, stir it into the alcohol and add the acid. Put solution in a bottle, and add the calcium sulfate. (Note: The calcium sulfate won't dissolve in this solution. Also, it can be reused in new batches if it is first dried out by baking it in an oven at 300°F. for about an hour.)

The solution is used after the plate has been deep-etched and washed with alcohol. Be absolutely sure that the plate is dry before you apply it. Wipe the alcohol off the plate thoroughly and fan it for a few minutes. Don't pour out any of the calcium sulfate as it may scratch the plate.

There is still some question as to the benefit of the copper on a zinc plate. A number of tests at LTF indicated that there was no increased resistance to blinding due to the effect of chemicals. However, this is also true of copperized aluminum plates, which nonetheless show increased press runs. Plant tests are now in progress to see if copper on zinc increases the image life of the plate.

Still Looking for Dessicant

Finally, LTF is not completely satisfied with the solution and the present need for a material like calcium sulfate as the desiccant. So, LTF is still looking for some other desiccant that will take up the water in the solution without the disadvantages of calcium sulfate.

These copper plating techniques are valuable additions to the lithographic process. Use of the solution on a press after the wash-up a couple of times a week will prevent ink stripping on steel rollers. It's easy to use, takes only a few minutes, and eliminates one source of expensive press down-time.

As the image base on aluminum deep-etch plates, copperizing again seems to offer an advantage. With aluminum's natural attraction for water, aluminum plates have a tendency to sharpen on long runs. By putting grease receptive copper on the image, the longtime chronic disadvantage of aluminum is overcome. Plates appear to run longer and the quality of the work remains more consistent throughout the run.

The above material was taken from Research Progress No. 34, issued recently by the Lithographic Technical Foundation.

Easy Steps for Conditioning Offset Paper to Pressroom Temperature and Humidity

Q.—If the outdoor temperature is 20 degrees, how long should a skid of 38x50 offset stock be kept in the pressroom before going to press?

A.—If the skid is four feet high, the volume of the paper will be about 48 cubic feet. Assuming the pressroom temperature to be 75 degrees, there is a temperature difference of 55 degrees between the paper and the pressroom atmosphere.

The three variables we have to work with are:

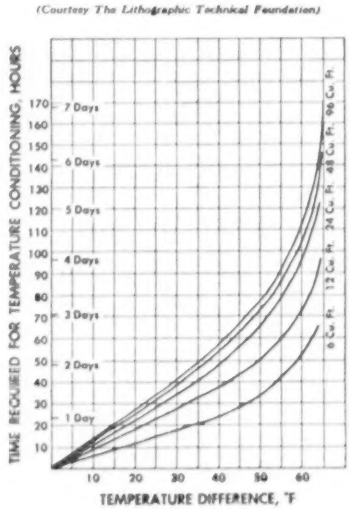
1. Cubic feet of paper in the load.
2. Temperature difference between the paper and the pressroom.
3. Time required for the paper to come to pressroom temperature.

If the volume, or cubage, of the load, and the temperature difference between the paper and pressroom are known, the accompanying chart will give the time required for the paper to come to pressroom temperature.

In this case, read from left to right across the bottom of the chart to the line between 50 and 60. This is 55. Then read up along this line until it intersects the curve marked 48 cubic feet. From here read left to the scale on the left margin of the chart. Here read about 88 hours, or a little less than four days.

Temperature Conditioning Chart for Paper

(Courtesy The Lithographic Technical Foundation)



To determine the temperature of the paper when brought into the pressroom, a small hole can be made in the wrapper and the thermometer inserted so that its bulb touches the paper. When the temperature reading becomes constant, it should be noted, the thermometer withdrawn, and the hole sealed with tape.

The wrapper should not be removed from a skid until it has been temperature-conditioned for the full time, computed as described. This is most important in winter, when the paper is quite cold. If, while it is still cold, it is exposed to pressroom atmosphere, the paper will chill the air in contact with it and raise the relative humidity substantially, causing the edges of the paper to wave on the end grain. This is a serious condition which can be corrected only by hanging the paper in a conditioner under suitable conditions to restore its flatness.

Father Of His Country's Art

Teaching at his London studio, Benjamin West, son of a Pennsylvania artisan, is seen wearing a green coat in Pratt's painting at the right. West lived most of his years in England and became president of the Royal Academy. He taught and encouraged Charles Willson Peale, Gilbert Stuart, Thomas Sully, Samuel F. B. Morse, Matthew Pratt and other Americans who ultimately gave expression to West's fervent hopes for the advancement of art in his native land.

Creative development in American art has reflected the changing patterns of life and social tastes in each succeeding generation. Today, the American artist finds a broader range for his creative talents. Graphic reproduction brings the work of the artist into millions of homes throughout the nation. Advertising art provides the painter and illustrator with a medium of expression that is contributing valid cultural elements to our national life. The American art tradition flourishes with prolific energy, thanks to printing.

Westvaco fine papers are notable for their ability to retain the original values in works of art which are reproduced in color and black-and-white. When high-fidelity pictorial reproductions are required by printers and advertisers, a reliable choice of printing paper can be made from the Westvaco line.

You can trace the influence of the American creative imagination upon graphic design in Westvaco Inspirations for Printers. Number 202 is yours for the asking. Simply write or phone to your nearest Westvaco distributor, or to any Company address on this page.

Cover Artist

Matthew Pratt was born in Philadelphia in 1734, and at the age of 15 was apprenticed to his uncle, "a Limner and Painter General." After a trading venture to Jamaica in 1757 he began painting portraits, and in 1764 went to London for two years to study under Benjamin West. On his return to Philadelphia he pursued a successful career as a portrait painter until his death in 1805. The subject of this well-known painting is a lesson in Benjamin West's studio in London. West, dressed in green, is demonstrating some point to Pratt himself, seated, while his other students listen.

230 Park Avenue, New York 17
35 East Wacker Drive, Chicago 1
503 Market Street, San Francisco 5

West Virginia Pulp and Paper Company

The American School, 1765, by Matthew Pratt. From The Metropolitan Museum of Art, New York

Westvaco 202

Inspirations for Printers

LNA Opposes Tariff Reduction On Imported Litho Materials

The Lithographers National Association has reaffirmed its long-standing policy of protecting domestic plants against competition from imported litho materials produced under wage rates that give them what is regarded as an unfair selling advantage.

Three times during the past ten years LNA has gone on record opposing tariff reductions favoring litho pieces coming from foreign countries. Now the association has recorded with the Committee for Reprocity Information its continuing strong opposition to any new proposals for reducing duties already "so low that they encourage foreign producers to enter the domestic market at the expense of American producers."

The committee gathers and shares with many nations facts and opinions relating to the international reciprocal trade agreements program. It is understood that the committee has received foreign proposals to reduce import rates on certain litho material. Now on file with this committee is an LNA industrial relations committee brief citing litho import volume as relatively small—$1,433,304 last year—but on the uptrend, with this year's first half total approximately one-third above the figure for the same period last year.

The brief notes that "litho products now proposed for negotiation are almost without exception those where delivery and other time factors are relatively unimportant. Imports largely concentrated in this type of material have trended upward continuously since 1946."

Proposed reductions, according to the brief, would affect booklets printed by lithography or otherwise; valentines, greeting, tally, place, social and gift cards, including folders, booklets and cutouts, with or without greeting, title or other wording; labels and flaps other than cigar bands, and printed in less or more than eight colors, but not partly or wholly in metal leaf.

The brief states that domestic wage costs were at least six times greater than British rates five years ago, and that since then domestic wage rates have gone up 25 per cent, the work week has gone down to 36 hours, and overtime and other fringe benefits have been liberalized.

Comment on the theory that superior American litho presses and other equipment can substantially offset European low wage costs runs as follows:

"Substantially the same presses, manufactured abroad to American specifications, are now as easily available to European and other foreign lithographers as American presses are to domestic lithographers, and at considerably less cost."

Emphasis is laid on "the constant drop in average after-taxes profits of domestic lithographers, a decrease of 1.4 per cent between 1950 and 1954. "This is held to justify the litho industry's concern over the rising import trend.

"It is self-evident," says the brief, "that continuation of this trend would seriously endanger the domestic industry. Surely, further reductions in import duties should not be considered at this time."

LNA Sets Up Lithographic Trade Platemakers Section

The Lithographers National Association has set up a Lithographic Trade Platemakers Division for promoting a national program advancing the interests of active member companies that make plates or negatives for the trade.

This action stemmed from a special committee of trade platemakers named at LNA's June convention to draw up a blueprint for the new group. The board of directors unanimously approved the committee's recommendation.

Representing the division on the association's executive committee is board member Ernest E. Jones, president, Graphic Arts Corporation of Ohio. LNA president Carl R. Schmidt will appoint a chairman, vice-chairman and an advisory committee of division members to develop special programs. Executive director W. Floyd Maxwell is serving for the present as the staff representative.

Now in its first month of service, the division is functioning in the same manner as the Bank Stationers' Section, which deals with particular problems and promotes members' welfare and special interests while continuing to benefit from LNA's general services. First activities include group meetings dealing with specific problems, plus collecting and disseminating information of special interest and importance to members in their day-to-day operations.

LNA's announcement said in part: "Although trade platemakers supplying the litho industry are represented by local groups in a few instances, there has long been a need for a national group which would enable them to meet more effectively problems that are not just local in character. It is believed that the new division will help trade platemakers achieve this objective.

"The importance of trade platemakers to the lithographic industry was spelled in a report to the directors that summarized what they offer the industry as a whole in this way:

"Greater volume at less cost through services to lithographers during high production periods; improved quality due to specialization; control of the process through established trade practices; recognition of common interest in promoting sound labor relations."

LNA Directors Approve Awards Equalization Plan

Directors of the Lithographers National Association have approved a proposal to equalize the awards given in the Annual Lithographic Awards Competition and Exhibit. Six awards certificates marking equal merit and distinction will be given for winning material entered in each of the 45 classifications. This eliminates first, second, and third awards and honorable mentions. The new method applies to the competition now under way.

Direct mail and sales service literature is the new label for the direct mail advertising classification. New sub-classification A-7 miscellaneous, envelope inserts, etc. is a catch-all for small direct mail pieces which cannot compete successfuly against more elaborate material. The promotion committee has also approved acceptance of decalcomania entries produced 50 per cent by lithography and 50 per cent by silk screen. Future metal lithography material will be accepted in flat sheets instead of formed, end-use specimens.

Tanner-Brown, Inc., Long Island City, N.Y., is designing a four-color announcement brochure for January distribution along with entry blanks.

LNA Sets Chicago Convention Date; Times Meetings for Coming Years

The Lithographers National Association has timed its 51st annual convention for May 10-12, at the Drake Hotel in Chicago. Features will include a survey of 1955 profits, a summary of labor relations conditions, and a session dealing with technical developments.

Weeks and places for conventions further ahead are:

1957, March 30, Greenbrier, White Sulphur Springs, W.Va.; 1958, April 27, Arizona-Biltmore Hotel, Phoenix; 1959, April 12, Greenbrier.

New York Printing Firm Names Ettenberg to Vice-Presidency

Eugene M. Ettenberg, widely known graphic arts designer, typographer, teacher, editor, and writer, has been named vice-president of Guide-Kalkhoff-Burr, Inc., New York City. He continues as manager of the Gallery Press, a division of the company.

Mr. Ettenberg teaches advertising typography and design at Columbia University. His writings have appeared in several graphic arts magazines.

A reminder of dates for Printing Week next month comes from A. R. Tommasini, International Craftsmen's president, Joanne Dru, Warner Bros. star who is "Miss International Printing Week," and Ralph Sheppard, a director of Printing Industry of America, Inc., which is coöperating in the annual event

1956 Printing Week Celebrations Will Top 200 Mark, International Chairman Predicts

★ Graphic arts people in 184 cities in the United States, Canada, the Philippines and Puerto Rico are already well past the planning stages for local observances of 1956 International Printing Week scheduled for Jan. 15-21.

Total number of cities celebrating Printing Week in January will be well over the 200 mark, according to International Printing Week Chairman Floyd C. Larson.

Distribution of the Printing Week kit was completed in October and about 50 kits are still available for industry groups in cities getting a late start. The 1956 kit contains almost everything needed to get a local Printing Week celebration under way.

Joanne Dru of Warner Bros. studios has been named "Miss International Printing Week" for the 1956 observance, and suitable publicity photos have been distributed to newspapers, magazines, trade journals and also to many local trade publications.

More than two million Printing Week stamps have been distributed by the International Printing Week Committee, and local trade organizations are printing additional supplies. American Type Founders is distributing free 84-point Adcut logotypes of the 1956 International Printing Week stamp to printers. Repro proofs of the official stamp emblem are also available from the International Printing Week Committee.

A series of three Printing Week clip sheets is available to local Printing Week promoters for distribution to local newspapers. Radio spot announcements booklets are also available from the International Printing Week Committee. These are for distribution to radio and television stations.

A booklet of sample Printing Week proclamations by city and state executives has been prepared for use by local Printing Week committees. Objectives and planning guides, along with activity check lists, also are available. Initial distribution of all this material has already been made to the 184 city areas where local Printing Week committees are in action.

Printed in midnight blue and red on yellow silver-flaked stock, this Christmas greeting was issued by Herbert W. Simpson, Evansville, Ind.

The 250th Franklin Anniversary Committee has recommended the conferring of the Poor Richard Club's famed "Almanack Medal" on the International Printing Week Committee for its issuance of the plastic-bound set of ten Benjamin Franklin booklets. The sets have been distributed as a part of the 1956 International Printing Week program and the individual booklets are now being produced in quantity for distribution to high school students entered in essay contests sponsored in many areas by local Printing Week committees.

Supplies of the Printing Week Objectives poster and the official 1956 Printing Week poster were exhausted last month, but a second printing of the red-and-black official posters was ordered. Additional quantities of the easel-type Objectives poster will not be available.

Printing Week bumper strips may be ordered from Screen Flock Industries, 5545 N. Clark St., Chicago. The postage meter adplate advertising 1956 Internation Printing Week may be ordered from Pitney Bowes, Inc., Stamford, Conn. These are the only two items of Printing Week material for which a charge is made. All other material is available free from Floyd C. Larson, Chairman, International Printing Week Committee, U. S. Navy Printing Office, Great Lakes, Ill.

The "Fifteen Printing Week Talks" envelope was not ready for distribution with the Printing Week Kit but was mailed separately later. The new Printing Week Film Listing was mailed late last month.

The Speakers Bureau has scheduled more than 50 engagements across the nation with about a dozen speakers still needed to fill current requests.

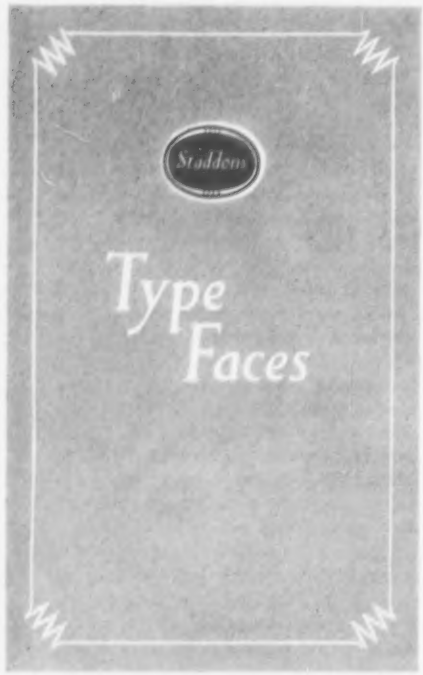
Considerable progress in the adoption of the International Printing Week program has been achieved in many new areas among both the Printing House Craftsmen's Association and Printing Industry of America local groups. Many unaffiliated smaller trade associations, schools, newspaper publishers, libraries, and others have taken up the International Printing Week idea and promotional material has been sent to them.

Day-by-day reporting of 1956 International Printing Week activity appears in the *International Printing Week Bulletin*, published every second Wednesday and available free from the International Committee chairman on request. The *Bulletin* reports on available promotional material, new ideas being developed by local committees, and progress of local Printing Week committee activities.

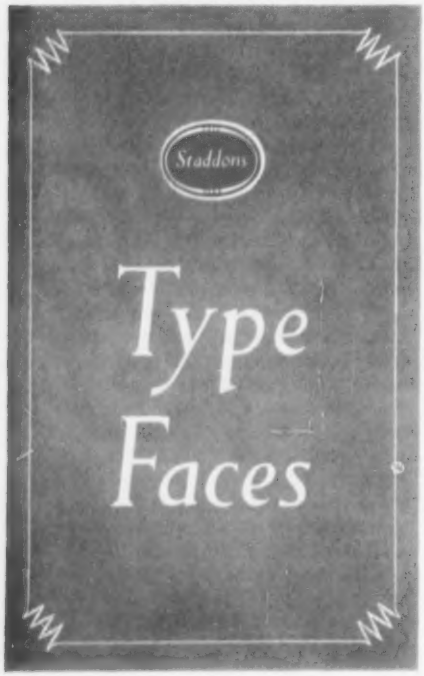
LESSON OF MONTH FOR COMPOSITORS

SPECIMEN REVIEW

By J. L. FRAZIER



On a cover like that above there is no reason for restraint in size of elements, especially type. Conclusion is more apt because this is the cover of a type specimen book. It is so, furthermore because it's not in black on white or white against black (in reverse plate) but white against gray, offering slight contrast. Favoring use of larger type or lettering is the large, awkward open area in lower half resulting in unbalanced distribution and top-heaviness. Doubtlessly the two lines were staggered and squared to gain width. Entanglement of descenders of first and ascenders of second line is unpleasing. This is avoided, measure made adequate, and whiting-out improved in the reset below by the larger title which corrects faults of original without change of materials



Initial Too Big—Type Too Small

SYDNEY TECHNICAL COLLEGE of Sydney, Australia.—Inside pages of the 9- by 13-inch brochure issued in connection with the student awards ceremony are quite pleasing. Creditable, also, is the beautiful, heavy, soft-textured white paper used for this self-covered item, set off when closed by a blue cord through two holes punched at the back fold. What's printed on the front is most markedly too weak in relation to the size of the page and falls far short of "design" quality. About all one sees as he gets the brochure is the tremendously large letter "S," in very deep red and outlined with gold, set against 10- by 18-pica decorative background of very light gray, faintly toned green. The initial "S" starts "School of the Graphic Arts," the line after the initial being in moderately bold 12-point italic caps. The title is not only hard to read, except at short eye range, but the disparity between the size of the initial block and this line of type is entirely disproportionate. Now, the eye follows down from this group to a spot about five inches lower where

Government-size post card from continuing weekly series by progressive Boston typographic house. Right side of cartoon simulates the New England coast line

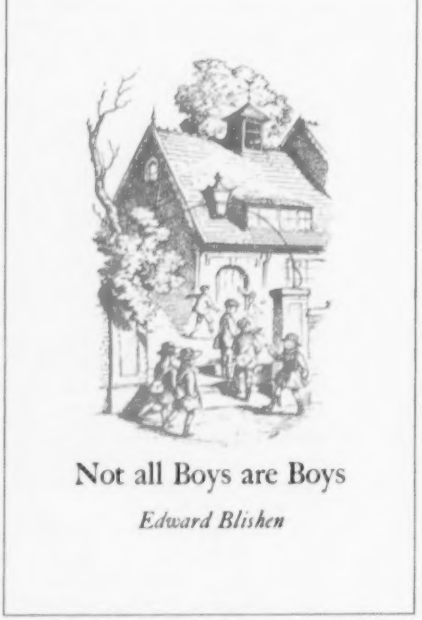
a line, "Sydney Technical College, Broadway, Sydney, Australia" appears in 8-point roman caps, obviously much too small in relation to the importance of the copy, the size of the page, and the panel of border units directly below the line. Whether someone coined the phrase "The type's the thing" or we are just thinking of a similar observation regarding the theater, the fact is that type is always important and should never be subordinated so much as it is on this cover. As incidental suggestions to improve the present handling, the color of the cord and that of the decorative panels should match. An initial and the rest of a word should not be separated as they are. The start of the rest of the first word of the title should better have overprinted the gray of the initial's background to bring it closer to the letter itself.

Points on Display Values

ADCRAFT TYPOGRAPHERS, New York City.—Your mailing piece, "Are We Your Type?" which unfolds to a 6- x 9-inch sheet, is fair enough. The tabular matter of the three inner pages was handled better than is the rule, meaning that the line-up of columns is straight. The page which comes to view when the piece is unfolded would be the title page, and it is interestingly handled. There are three panels with heavier rules at the right side and bottom to give an effect of depth. Incidentally, this contrast provides a degree of "color." The first panel, near the upper-left corner, a second in the center, and the third panel at the right all overlap at their corners. We see no reason why the type in the first panel should have been in light sans serif while "Type Faces" in the second and the name and other copy in the third are in bold-face. The copy of the first panel, "Alphabetical Listing" is important enough, and the panel is as heavy as the others. Aside from that consideration, balance would be better if the type were bold- instead of light-face. Remember, too, that if copy in the top panel were in bold type it wouldn't be too prominent because the sizes are smaller.

"All Display Is No Display"

JOHN F. BETHUNE of Berkeley, California.—In our book, you are one of the best typographers in the country, particularly in the line of general commercial printing in which your employer, James J. Gillick & Company, has excelled for many years. You have some of the best types; colors and paper are intelligently chosen; and the boys in the pressroom support you ably. It is rare, indeed, that you submit anything we can't endorse 100 per cent, but one such item now has turned up, namely, the "Social Evening" announcement for November 4. The copy is of the



Sweet but not weak cover of 5- by 7-inch booklet from North-Western Polytechnic School at London, England. On original green stock, picture is orange, type black. English typographers and printers, by and large, have adhered to the more conservative styles and embraced newer and more freakish vogues than have Americans

Items submitted for review must be sent flat, not rolled or folded. Replies cannot be made by mail

kind (a few words about many things, like place, date, orchestra, for instance) that will cause anyone not completely on guard to make each line a separate unit of eye appeal. Only the facts that you used some of the best types and that your over-all layout is structurally interesting saved the item from being a flop. These are harsh words to a fellow whose work we have so long admired and who so seldom, shall we say, falls from grace. "Over-display," remember, "is no display."

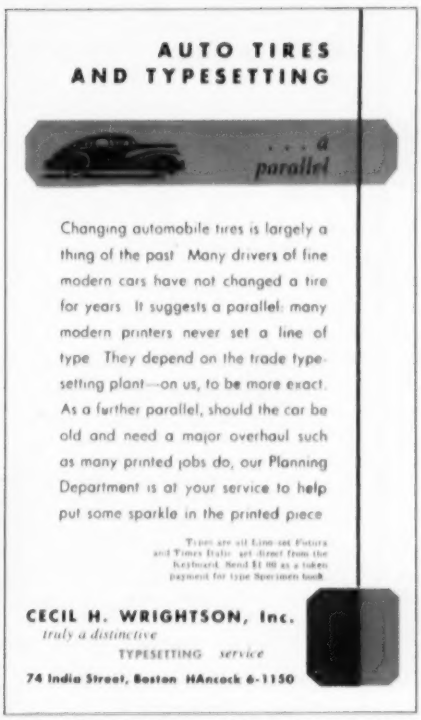
Glittering Backgrounds Dangerous

E. JOHN SCHMITZ & SONS of Baltimore.—We regard you as among those printers making the most of blotter advertising. All the blotters you submit have the merit of brief copy graphically presented to insure quick, sure reading. One, bearing the striking statement "The *ability* to produce good printing consistently . . . is no accident," could function better. Before suggesting how, a word about the several periods preceding "is no accident." Many frown on the practice, really because too often it is run into the ground. Here we consider the application a good one, because it tends to emphasize the last three words of the sentence. The background, reversed to highlight the illustration and "ring" the featured statement, in a pretty and much more than pretty-bright orange, will surely stop recipients. Printing type over bright colors reduces its force and clarity through the colors' greater power appeal. Consideration of this factor is more important in the case of blotters, which the advertiser hopes to have on desks of customers and prospects for quite a spell—as much as a month at least. It's *pretty* though—this color effect.

Informal Layouts Score

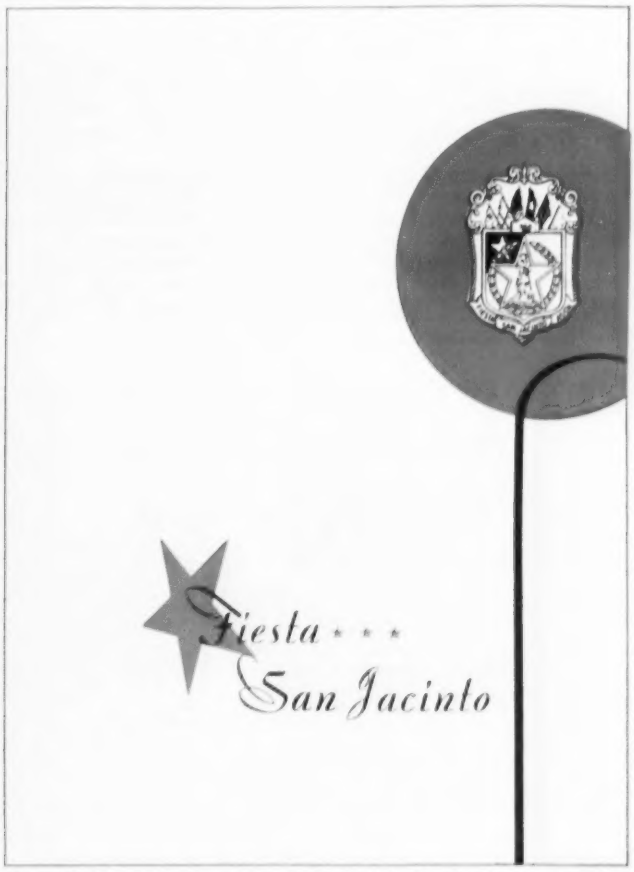
BILL ACTOR of Hollywood, California.—You continue near the top of the list among printers doing small commercial work. You seem to be particularly adept in the handling of business cards. Is it because you do so many, or do you turn out so many because those you do are so good? Characterful types,

Oldish, of course, and possibly strong in relation to type, the border featuring this package label gives it character. In blue and silver, original is much more attractive and effective than our reproduction suggests



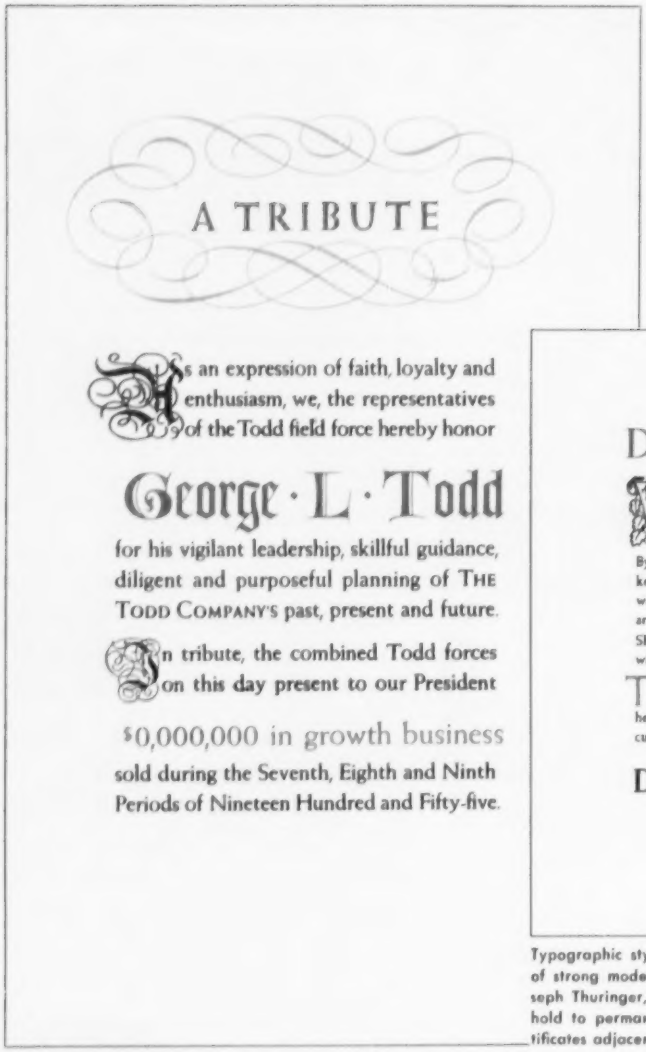
Another of the Wrightson cards for which, and without authority, we confidently credit Frank Lightbown. The interesting comparison featured seems apt. Recollection prompts belief black ink is seldom used, that this card was printed in deep green and rose on white stock. As a rule, layouts are more ingenious, but the "stunts" employed are rarely any sort of a handicap to reading

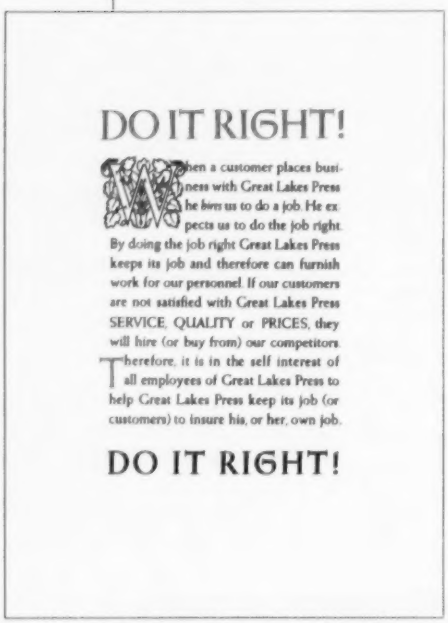
It is difficult to imagine a cover at once so powerful and dignified, also suggestive of de luxe quality, as this one from magazine of Phoenix Metal Cap Company, Chicago. Medallion design is gold-leaf stamped on heavy, rough, black stock



Original and impressive cover of 11½- by 15½-inch brochure by the Clegg Company, San Antonio. Original on warm gray stock is printed in pink, deep brown and light brown, the latter filling the panel along right of page and round cornered at top

the piece is unfolded would be the title page, newer and more freakish vogues than have Americans





Typographic styles come and go, but typographers, even of strong modern inclinations and superb ability, like Joseph Thuringer, Rochester (N.Y.) Typesetting Corporation, hold to permanent and fit-for-framing styles like his certificates adjacent. The scroll around "A Tribute" is in gold

Grayda for one, contribute to the excellence of your work, but colored stocks—particularly gray printed with gray ink—have their effect. However, layout, difficult to handle in such small space, is quite a factor, too. There is no conventional centering, much informality. We're impressed by the one for René Sheret with the name in a comparatively large size of a contrasty, Bodoni-like face, with other copy in small sans serif below, all in squared lines. The group of type is not centered laterally with just the right space above vertical center. The block is near the lower right-hand corner of the card, leaving comparatively much white space massed at the left and above. This massing of white space makes the type more emphatic. One must balance the merit of this against the demerit of some over-balance, but, in this case, and others handled along similar lines, we vote for your manner.

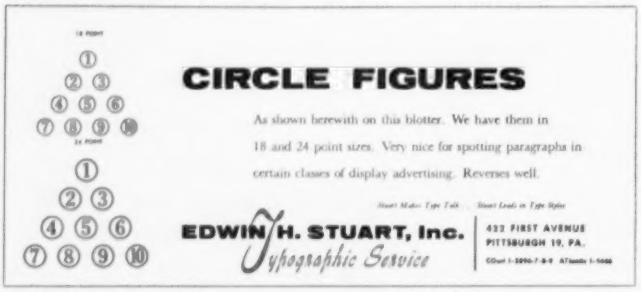
Unrestricted Layout

HERBERT W. SIMPSON, INCORPORATED, Evansville, Indiana.—It's always a thrill to receive those packages of samples of printing which you send us. Your slogan, "Designers of Productive Printed Messages," is entirely justified. In fact, your work is so good we'd endorse a stronger adjective. Your design and typography is not "pretty," but it is easy on the eyes. What is more, it draws and holds attention. There is abundant power when required, and always those effects best described as "dramatic." What you do demonstrates one of the advantages of offset production, an advantage relatively as important as others much more often and more forcefully publicized. We refer to make-up—effects such as having a panel placed aslant within a background of border units, to make the point plain. Such uncommon make-up is achieved at a fraction of the cost of arranging type, rules, plates, etc. Indeed, many of the things you do to circumvent the ordinary would be impossible with metal type. You go for reverse color panels in presenting important display, for instance, with reckless abandon which if practiced in letterpress would figuratively "break the bank." You have the "feel" and the imagination of the artist—but practice that restraint in presentation which the typographer has been trained to regard.

Basic Display Points

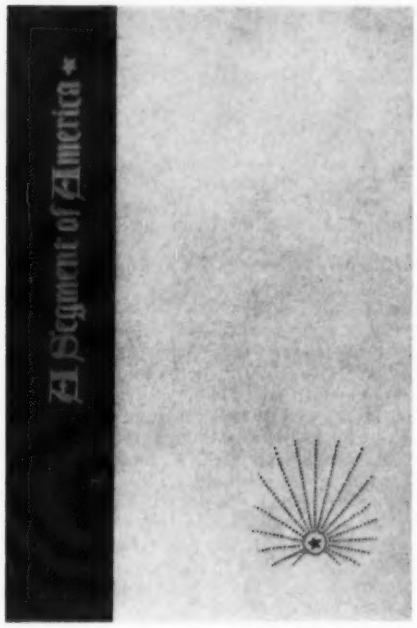
DI WAN AGENCY, Springfield, Illinois.—The basic idea of your Houston-Dye letterhead is exceptional and novel, makes a strong impression despite inferior production. For an organization which makes sound recordings at weddings and parties, the design is highly suitable. The key unit is an illustration of a phonograph record in perspective near the upper left-hand corner of the sheet, with a ribbon-like extension extending to the right side of the sheet. Made of four parallel lines, this "ribbon" represents the lines on which musical notes are written. Like the over-all idea, the picture is good—but its merit ends here. Of comparatively heavy line, the illustration is printed in a relatively deep blue. That would be all right were it not for the fact that much of the type prints in black over the picture. Either a much lighter blue should have been used or some arrangement of the type made which would clear the pic-

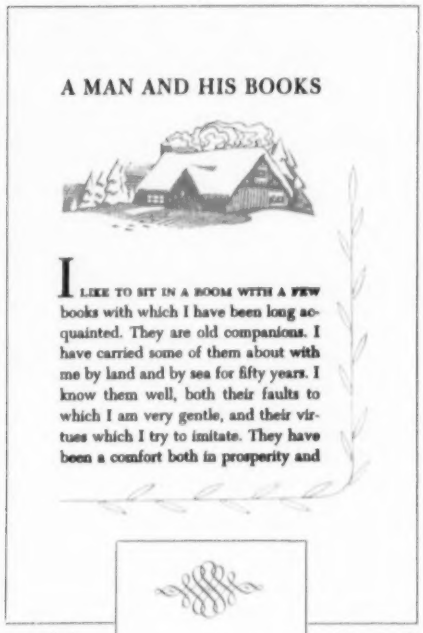
Emil Georg Sahlin, Buffalo, is another top-flight typographer who embraces what might be termed the inscriptional style for items of honor suitable for framing. Margins are proportionately wider on original than indicated by this reproduction



Ed Stuart has seen more-than-questionable short-lived "styles" come and go and has held steadfast to sound, readable typography like this blotter with power enough

ture. There is an unpleasing effect of clutter where type strikes over the blue. But, worse, the type doesn't stand out well enough to be clear and reasonably readable. Even black will not stand out from normal or deeper blue. In fact, blue is the strongest color, tone-wise, of all. Type composition on this specimen is ordinary. The names of





A. R. Tommasini is superintendent of the printing department of the University of California Press, Berkeley. He is also president of the International Association of Printing House Craftsmen. Also, he is and will remain a genuine lover of books and one of the country's top-flight typographers and book printers. His annual Christmas greeting, standard in copy and 2½- by 3½-inch dimensions, is shown half size at right. It has gone forth each Christmas season inside front board cover of a case-bound book, two covers and four text pages from the series being shown along top and bottom of this page

THIS BOOKLET COMES TO YOU WITH HOLIDAY GREETINGS FROM A. R. TOMMASINI

Outside dimensions of the Tommasini books, classics at least typographically and in printing and binding craftsmanship, are approximately 3½ by 5½ inches. Cover (left, above) has light gray sides with deep red over hinge. Title is gold-stamped, sunburst design is in red (star) and gray a bit darker than covering paper. Books are invariably protected with thin acetate. On initial text page "A Man and His Books," picture is a rather deep red and decoration a pale green. On original of page directly above (here) the plain, wide screened border is pale green-yellow and the initial a bright red

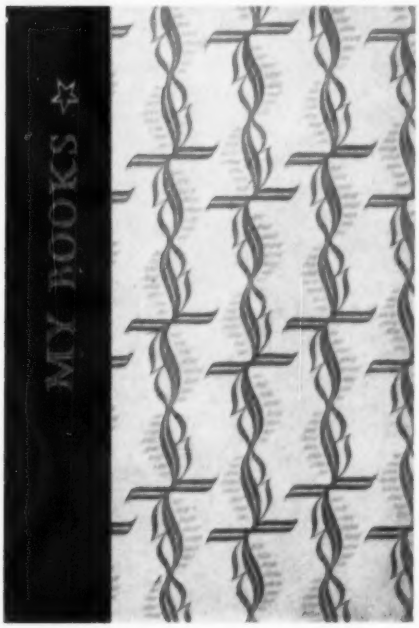
Houston and Dye and the line "Signet Recordings" comprise a group overprinting the record on the left, while the slogan, address, and related copy overprint the end of the "ribbon" on the right. The whole lacks unity. Finally, the names of the men shouldn't be smaller than the address, which is in caps of the same size and style of type. The lines of the group on the right are needlessly and unpleasingly letterspaced. Type should stand out, but there must be contrast with what's back of it. There isn't enough contrast between the type in black and the background here.

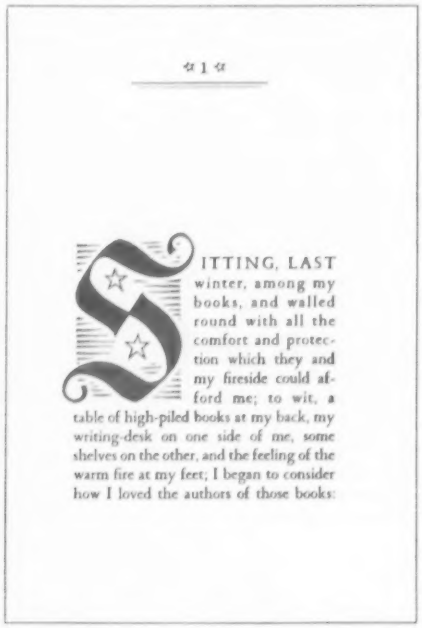
Parts Too Far Apart

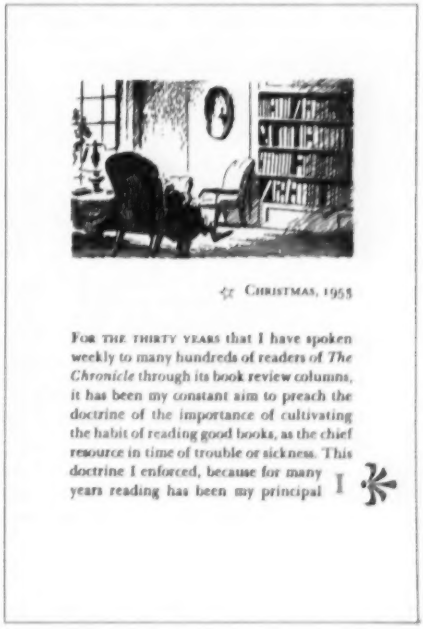
THE CORDES PRESS of Newark, Delaware.—We're neither afraid nor reluctant to cite you as a top-notch printing house. We're unashamed to admit we can offer no suggestions for improvement of the items you submit. Our personal taste is ignored when doing these reviews, recognizing, as we do, that two persons may have different and equally sound beliefs and views. We like the fact that, aside from the very attractive motto card planned for framing, there isn't a centered, static layout in the lot. We like the fact that you often print whole jobs and parts of others, for which most printers through habit use black, in colors. Often, you use gray, which has an advantage over black in reducing toned weight. Considering the work farther, we are coming up with one suggestion which we're confident represents more than mere difference of taste. We refer to the letterhead on which you wrote us, and its matching envelope. It's rather difficult and would be space-consuming to explain the setup accurately for

Below, cover and opening page of text from another of Tommasini's grand keepsakes. Title (on cover) is gold-stamped on black over hinge, repeated units at right are in gray over the lighter warm gray paper of the sides, these highlighted by similar patterns in pale yellow which doesn't show. Initial and rule on text page are red

Illustration of fine detail above text on this page from "Comfort Found in Good Old Books" has just the right flavor, fits the title "like the paper on the wall"





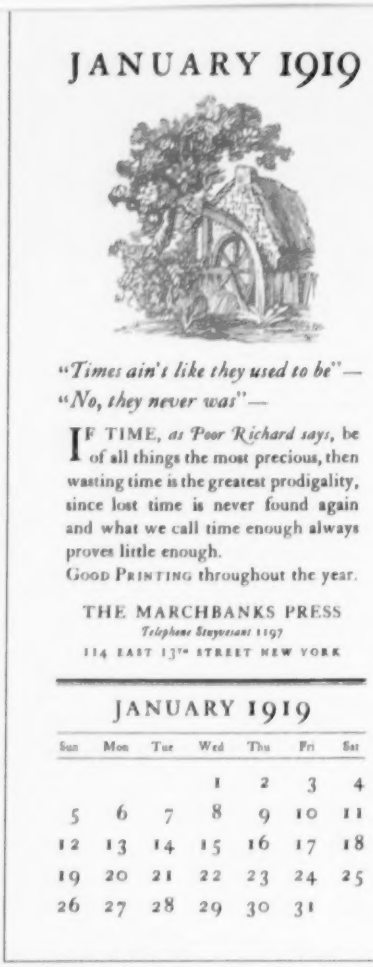


Margins are proportionately wider on original than indicated by this reproduction

other readers. There is the conventionalized open book in gray with letters "C" on the left and "P" on the right, these in deep red. It is framed below and on the right by a long parallel rule in red and the vertical type line, "Specialists in Planned Printing," in gray, the rule and type line crossing close to the book. The parallel rule extends the full width of the form. The usual letterhead copy in gray straddles the rule on the right. Our point is that with the two type groups so far apart, unity is lost. It seems to us the type group which is flush left could be brought closer to the first block, and the long rule in red shortened. This would work fine on the envelope, but, carried out on letterhead, the consolidated design would need to be in a different position. Presswork and use of color are excellent.

Keen Incentive Plan from Canada

HOWARTH & SMITH, Toronto, Canada.—We are much impressed with the letter-size folder on cover-weight white stock deckled along its front side. Titled "A Synopsis of the Creative Ability of the Skilled Craftsmen Howarth & Smith," the item is primarily a workers' project. Maybe you're already doing it, but whether you are or not, we endorse the practice of assigning one worker or a small group to create and turn out each month a keepsake or treasure like this folder. The idea seems bound to stimulate competition of the right sort, and the true craftsman will be thrilled and do his best when given the opportunity to execute something nicer than he would have opportunity to do in his daily work. You could even offer a prize to the indivdual or team turning out the best treasure of the year. Now, we've thought of something else. It may or may not have occurred to you. What could be more effective, productive advertising for your house than to send customers and prospects the treasures as they are turned out, without selling, of course. For one reason, this would honor your employees by the recognition they rereceived. To the folder, again. Page 3 comprises extracts from a speech, a tribute to the printer, made by Charles Dickens in 1864 when he started a successful career as chairman of the anniversary festival of the Printers' Pension Corporation. Typography and printing of the rubricate page, obviously planned for framing, is charming and wholly in keeping with the rhetorical capabilities of the great author. Page 2, facing, bears a wood-cut illustration, a scene through an arched doorway into a courtyard, this in one color, deep olive. The front page is a bit



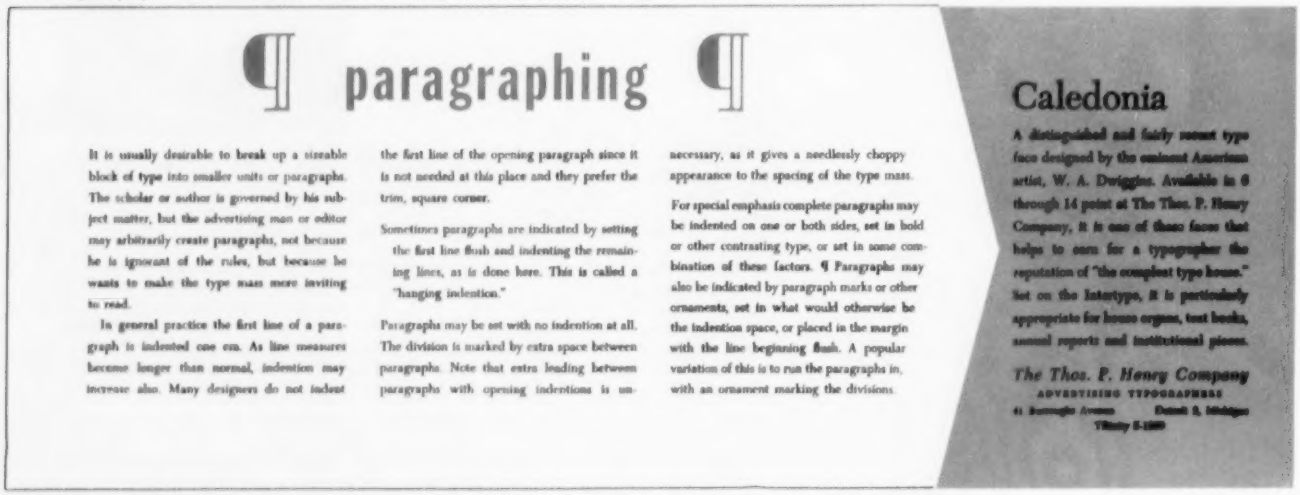
Typography which only opportunists without art "sense" would dub old. Envelope enclosure by David Silve, who could do anything with Caslon 471 (original) his boss, Hal Marchbanks, also a great of his time, now long deceased, threw his way. Original is in black and a deep, soft orange on hand-made paper of a warm olive hue which could be, and properly, designated brown

drab, typographically, possibly because it was felt that nothing should overbalance the third page. It carries the title, your company name, address, and names of three craftsmen who did the job so well, S. Margulas, D. Duncan, and J. Parsons—responsible, respectively, for typography, illustration, and presswork. With the title, except for the name, in italic, the "of" at the end of the third line would be better as a small catch-line between groups or at the beginning of the line, with the company name in the second group. Even considering that this page is just a label for the keepsake, we feel the title deserves an effect of more importance. Avoiding caps in the three top lines, for which the style of this doesn't seem to be the place, has a weakening effect, especially since the second group, although set in a smaller type, seems almost as large as the title because it is set in caps. Cap letters of 12-point are, as a rule, bigger than normal 14-point lower-case letters.

Top School Work from Minneapolis

G. LYNN HOLLEN, Minneapolis, Minnesota.—As we sit here and look over the numerous specimens of work turned out under your tutelage at the Graphic Arts Technical School, we recall you once told us students were taught and shown how work is done, but when it came to a project they were put on their own. Even though we understand yours is an industry school rather than a public grade or high school and that the students are apprentices of some experience, much excellent display work is included. As we view the work, several things come uppermost to mind. First, your type equipment is anything but nondescript, as it is in many school shops—little batches of this and that. We suspect you have a number of cases of the most-used sizes of the styles you endorse. This, we also suspect, is to permit several students to work on the same project. When all use the same type styles, all start even in the matter of equipment and opportunity. The few display styles largely represented are Garamond, a good sans serif, and Derby, a bold cursive. Of these, Garamond Bold is used for half or more of all items. In much more limited use we find Brush, Campanile and one of the square serif styles. The selection of machine styles for straight matter is equally enlightened. For average folks who read books and buy merchandise, your boys, therefore, start with the best in type. We notice evidence of planning, as if the potentials of each project were fully explored before composition, and that there was then real planning, evidenced by comprehensive layout or a rough sketch. Design is evident in all items. In fact, the work is so good we contemplate a group display of some of the more interesting items. Forced to point out flaws, we'd say too much space between words is rather frequently noted. There is one safe and sure rule to govern spacing between words, in text or display. It is to use just enough to set the words definitely apart, and no more. Your school is seemingly doing a wonderful job. More power to you, the staff—and the boys.

Continuing display of notable folders of Thos. P. Henry Company, Detroit, this spread shows the prestige and sales-building qualities of educational advertising



THE PROOFROOM

BY H. D. BUMP

THIS DEPARTMENT WELCOMES PROOFROOM QUERIES AND COMMENT

It Depends on the Week End

Q.—Our publications office would appreciate it if you could help us decide which word form to use:

Webster's New International Dictionary (Unabridged, 1954) gives "week end" as the noun and "week-end" as the adjective and the verb.

Webster's New World Dictionary of the American Language (College Edition, 1953) lists the noun first, as: "weekend, week-end—also, week end." (Definitions for the adjective and verbs then follow.)

A.—Our desk dictionary favors "week end." In private life, we use "weekend." This particular weekend is being loused up because we had to work. Why not stand by your newest dictionary, if this variation amongst the authorities bothers you? That has always been our solution to problems of this kind.

No Apostrophe in Hells

Q.—Much is currently appearing in public print about "Hells Canyon" in Idaho. Sometimes it's "Hells" and sometimes it's "Hell's." I'd like to know what-the-you-know-what it should be, to be correct.

A.—In this country, there is one final authority on the spelling of the names of places. It is the United States Board on Geographic Names of the Department of the Interior. When approving geographic names, it is Board policy to remove any and all apostrophes from the name. Officially, that canyon is Hells Canyon.

Blight or Pleasure?

Q.—Can anything be done about people who insist on using *visitation* when they mean *visit?* I see this over and over in convention reports and programs.

To me, *visitation* has always involved supernatural beings. Whenever I read that a group of Printing House Craftsmen is planning a "plant visitation," I have a brief, wild picture of a ghostly crew of printers descending to haunt some factory or other.

Could we maybe organize a society to combat this? There are societies for everything else.

A.—My desk dictionary has nine definitions of the word, beginning with "the act of visiting" and winding up with "a judgment." In between are such meanings as "a visiting with comfort or aid, or with affliction or punishment" and "any experience or event, especially an unpleasant one, regarded as occurring by divine dispensation."

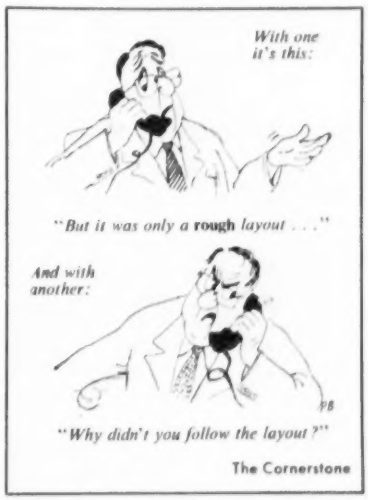
To us, "visitation" is a grim word, like having company you don't want when you're in jail and can't avoid being host. It is a stilted, unpleasant word. In all fairness to it, our second definition is "visiting for the purpose of making an official inspection or examination." That's what the Craftsmen must be doing when they go out visitationing, but let's not be so solemn about an occasion that should be enjoyable.

The Fervent Flag-Waver

A.—Now that the political scene is set for great oratory, would you tell me the difference, if any, between *jingoism* and *chauvinism?* Are the two words properly used interchangeably?

A.—The two words are used interchangeably, but the meanings are not precisely the same. Chauvinism is "exaggerated patriotism," in times of peace as well as war. The jingoist is "one who favors a bellicose or blustering foreign policy and boasts of his country's preparedness for war."

As John B. Opdyke puts it in *Mark My Words:* "Chauvinism is exasperating at all times; jingoism is dangerous when international relations become strained."



Only in English

Q.—I am not well acquainted with English. I do not understand "gender." Would you please help me with it?

A.—Gender belongs only to nouns and pronouns. There are four classifications: masculine, feminine, neuter, and intermediate or common. Neuter gender denotes inanimate objects of no sex. Many nouns that denote living beings give no indication of gender, as *friend, parent, child.* Hence the common gender.

"Gender must be carefully distinguished from sex," says the grammar book. "Sex is a natural distinction of living beings. Gender is a grammatical distinction of words."

Confusing, isn't it? The book goes on to say that "gender in English is of no practical use except with pronouns of the third person—his, her, its." Just worry about that angle.

Not Too Bad, Either

Q.—I noticed in a syndicated column called "Words, Wit and Wisdom" that a Californian was upset about the prevalent use of "too" with a negative, so that the resultant sentence makes no sense: "His health is not too good." Could health ever be too good, he asks. Could it? What do you think?

A.—This matter has never been one of our serious problems. Sometimes we answer inquiries about our health with "Not too bad." Of course, health could be too bad, whereas it couldn't be too good. We've seen some awfully dead people whose health had seemed not too bad, but no one ever died from being too healthy. This is an idiomatic expression that makes no sense. But there's no law against idiomatic expressions.

Make It Match

Q.—I'm just a beginner. Among the many things I have difficulty in remembering is whether to use italic or roman punctuation with italicized words. Is there some simple rule that will help me?

A.—This is easy. Our favorite *Manual of Style* says to print all marks in the same style of type as the word immediately preceding them. The only exception is that italic or bold-face parentheses or brackets should not be used.

THE COMPOSING ROOM

BY ALEXANDER LAWSON

QUESTIONS WILL ALSO BE ANSWERED BY MAIL IF ACCOMPANIED BY A STAMPED ENVELOPE. ANSWERS WILL BE KEPT CONFIDENTIAL UPON REQUEST.

Books on Type and Typography for Compositors

- Here's a basic collection printers interested in typography should own
- History, type design, typography and biography in recommended listing
- Individual opinions vary; printers may want to add other important works

Some time ago this department listed the manuals which, since Moxon's *Mechanik Exercises*, c. 1683, have influenced the compositor's craft. There have been several inquiries concerning books on type or some phase of typography, and where to buy them. The really good books on type are few and far between. Furthermore, since most of them are out of print, it is often difficult to secure copies.

Any listing of this kind will of necessity be personal opinion. In this respect, the list may be incomplete. There probably will never be a completely adequate bibliography of books on type, individual preferences being what they are. However, in my judgment, the books itemized here represent a basic collection that all printers interested in typography should want to possess.

I have chosen four main categories under which to present the basic list. Because an understanding of today's types must be prefaced by a sure background of information concerning their development, it is paramount to place the first group under the heading, "History." In the second group, "Type Design," are listed the volumes specifically concerned with that subject. Third is "Typography," which contains those books discussing the procedures of type use. Finally, "Biography" is important if we would understand and appreciate the great workers in the craftsmanship of printing. Naturally, many books are difficult to classify, but I have attempted to list each volume in the area of its greatest importance.

History

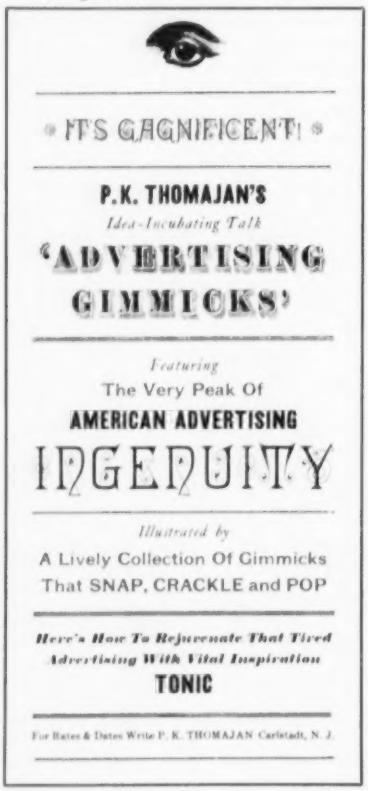
Printing Types: Their History, Forms, and Use, Daniel Berkeley Updike. Harvard University Press, Cambridge, 1937. Two volumes.

Here is the classic text on printing types, without which no typographic library (or education) is complete. However, I have some reservations about offering Updike as a book for the beginner. Although the information is there, it is not always easy to extract. Several readings probably will be necessary. Ideally, an examination of some of the historic volumes mentioned in Updike's text will contribute much to complete understanding and appreciation.

The Shaping of Our Alphabet, Frank Denman. Alfred A Knopf, New York, 1955.

This most recent addition to books about type is listed immediately under the Updike for a particular reason. Denman traces the development of our present-day types in a most readable and interesting fashion, attempting to explain the reasons for changes of style in accordance with periodic moods of art and social history. I believe that this volume is an excellent introduction to the Updike work.

P. K. Thomajan uses this copy on 6¼- by 11¾-inch salmon-colored sheet to promote talk he gives to business and advertising groups. The old-fashioned types were set by Robert M. Jones and printed at his Glad Hand Press at Stamford, Conn. Thomajan ad libs around each piece presented and those in his audience get a real advertising shot in the arm and new sales hints



A History of the Old English Letter Foundries, Talbot Baines Reed. Revised by A. F. Johnson. Faber and Faber Ltd., London, 1952.

The first edition of this treatise was published in 1887 and was long out of print. The revision was brought out in 1952. English typefounding is traced well into the nineteenth century in this definitive text, which is of great importance to American printers because the English types were much used in American Colonial printing.

The Fleuron. Edited. Oliver Simon and Stanley Morison, London, 1923-30. Seven volumes.

While the *Fleuron* was primarily an annual of the typographic arts, it contains some of the most valuable contributions to the history of types, particularly the essays in each volume by Stanley Morison, the foremost living scholar of printing. In these essays Morison parallels the work of Updike and presents new insights in the development of type. Throughout the seven volumes are important contributions by some of our period's best-known writers.

The Dolphin. Edited. The Limited Editions Club, New York, 1933-41. Four volumes.

An American annual devoted to the book arts, somewhat in the manner of the English *Fleuron.* Each volume contains first-rate articles, but Volume Three, *A History of the Printed Book,* is a particularly fine record of the development of type.

Type Design

Typographical Printing Surfaces: The Technology and Mechanism of Their Production, L. A. Legros and J. C. Grant. Longmans, Green & Co., London, 1916.

Despite the unprepossessing title, this is the standard reference on typefounding and the development of composing ma-

chines. It is by all standards the definitive text on the subject. Copies of Legros & Grant, being most difficult to obtain, bring a premium price but are worth it.

Typologia, Frederic W. Goudy. University of California Press, 1941.

From the pen of the most prolific of all type designers, just six years before his death, here are his most carefully considered opinions on the design of printing types. The chapters on type history have been done with greater clarity by other writers, but on the problems of design, Goudy is at his best.

Making Printers' Typefaces, R. Hunter Middleton. The Black Cat Press, Chicago, 1938.

A short essay on type design by the present director of typography of Ludlow Typograph Co., and one of America's top type designers.

Encyclopaedia of Type Faces, W. T. Berry and A. F. Johnson. Blandford Press, London, 1953.

While this is an English book and concerned with many types not generally available in the United States, it has by far the most complete coverage of information on the present-day types, their designers, originating foundries, and dates of design. The most disappointing feature of an otherwise admirable volume is the fact that types are frequently shown with one or two lines and not in complete alphabets.

Type Specimen Books. Any type specimen book from a foundry or machine company is of course a valuable addition to a typographic library. Because such books are not as easy to acquire as they were even a few years ago, the second-hand bookseller will have to be resorted to. However, specimen books are often the main items on the printing book shelves of such dealers, so the task of locating them is not difficult.

Typography

Paragraphs on Printing, Bruce Rogers, with James Hendrickson. William E. Rudge's Sons, New York, 1943.

This beautiful book contains essentially the philosophy of Bruce Rogers, undoubtedly the most distinguished book designer, now in his 85th year. With many illustrations of Roger's work, the volume consists of short opinions on most phases of book typography. It is written quietly and, like the man himself, is without dogma.

Layout in Advertising. William A. Dwiggins. Harper & Bros., New York, 1948.

Written originally in 1928 and reprinted, without revision, twenty years later, this is one of the basic references on the design of printed material. Since Dwiggins is one of America's finest typographic designers, what he has to say is of real value. The book does not fall into the trap of most texts on layout, which reproduce current (at publication date) designs. It therefore wears well. Due to the literary skill of its author, it is one of the most amusing books ever written on the subject.

Modern Type Display, J. L. Frazier, Chicago, 1929.

Readers of this magazine know the contribution made by its former editor, and they are probably following with interest the current re-publication of this excellent text, which has long been out of print. This book, if used in conjunction with Frazier's *Specimen Review,* should be required reading.

Books and Printing, A Treasury for Typophiles, edited by Paul A. Bennett. World Publishing Co., Cleveland, 1951.

Without question this is the finest compilation of articles on typography in all its phases. It is a one-volume shelf all by itself. The table of contents is a "Who's Who" of the typographic greats of the last thirty years. A *must* book for the person seriously interested in type.

Biography

A Half-Century of Type Design and Typography, Frederic W. Goudy. The Typophiles, New York, 1946. Published in two volumes.

Goudy's autobiography, written just prior to his death, listing every design from his hand, and giving the story behind each. For the Goudy collector (and what printer isn't?) this is the definitive work.

Updike: American Printer. American Institute of Graphic Arts. New York, 1947.

A collection of essays written by friends of Daniel Berkeley Updike, and well descriptive of the notable contributions of one of America's great printers.

Your Slug-casting MACHINE PROBLEMS

By Larry Brewington

Mr. Brewington will answer questions on machine problems. Write him in care of *The Inland Printer*

Proper Key Lever Maintenance

Q.—I'm having trouble with non-response and continuous response of mats. Is is possible that the keyboard key levers could be at fault?

A.—It is very possible that your trouble could stem from the key levers. Unless they are given proper attention, key levers can become rusty, gummy, or bent. Any of these conditions can cause the key lever to stick in the upper position, and the result then is continuous response from the escapement.

I advise that you check the condition of your key levers regularly. They are easy to remove from the keyboard. The key levers should be kept straight, clean, and free-moving.

Sometimes metal shavings will lodge in the key lever slot on the face of the keyboard, causing a lever to bind. This condition can be avoided by brushing the keyboard with a soft brush not more than an inch wide. Before doing any brushing, make sure the keyboard is locked.

Reconditioning TTS Block

Q.—The perforating block on my Teletypesetter perforating keyboard is somewhat worn. Can it be repaired?

A.—These blocks can be reconditioned by the manufacturer so that they are as good as new. First, however, you should have a new block to use while your old one is being reconditioned. I would not advise that you try the reconditioning job yourself unless you have had training in this kind of work.

Ordinarily, a perforating block will last for several years if it is not abused.

Cause of Bent Spacebands

Q.—What causes the wedges of spacebands to bend during justification? On one of our machines, this happens every now and then. The bottom end of the wedge is bent to the right. The bend occurs just below the bottom of the sleeve. The justification block seems to come up to a level position.

A.—Undoubtedly, your operator is sending through lines that are too tight. The most common cause of bent spacebands is tight lines that contain only one or two bands.

Spaceband Cam Wear

Q.—The spaceband cam on my machine wears very rapidly into the cam roller. The spring seems loose enough. What can I do to reduce the wear?

A.—The spaceband cam may have a dry pivot. Remove the cam and apply a drop of clock or distributor oil. The rubber roll usually wears more rapidly beneath this cam than at any other point, except perhaps beneath the lower-case "e" cam.

THE PRESSROOM

BY GEORGE M. HALPERN

QUESTIONS WILL ALSO BE ANSWERED BY MAIL IF ACCOMPANIED BY A STAMPED ENVELOPE. ANSWERS WILL BE KEPT CONFIDENTIAL UPON REQUEST.

Embossing Can Be Done on Platen or Cylinder Press

- Embossing is process which places design in relief on paper without ink
- Three-dimensional effect can be obtained when printed design is embossed
- Here are comparatively simple steps for doing embossing in your own shop

As in the case of die-cutting, the embossing operation enhances the appearance of a printed piece and increases the over-all volume of business for the commercial printer. It is not necessary for the printer to send his embossing jobs out to a specialty house, nor is it necessary for him to buy any special equipment to handle this kind of work. The regular letterpress platen or cylinder press may be utilized.

Embossing is the term given to a process which places a design, pattern, character, or series of words in relief on paper, card, light metals, or other materials. No ink is involved in the finished operation. The form prints dry, as though it were "blind" or blank printing. The impression is created by friction contact between a male die and female die, one mounted in the form, the other on the platen or cylinder of the press.

Most embossing jobs are done in perfect register with sheets which have been previously printed, thus raising the printed surface. This creates a three-dimensional effect. Widespread use of the process has been made in letterheads, box wraps, formal invitations, tags, certificates, labels, and a variety of other printed items. Practically all embossing is done as a separate operation, although a small offset press is manufactured which embosses and prints in one operation.

Embossing Relatively Simple

Embossing on a platen press is relatively simple. Preparation is as follows: (1) Lock the embossing die (female) in the chase according to position it is to strike the sheet. This die is made of brass, and should be mounted approximately .004-inch above type high. (2) Pack the press with one sheet of tympan only, and glue to the top of the tympan a full platen-length railroad or strawboard sheet. (3) Add a second railroad or strawboard, the size of the form, atop the first board.

(4) Now ink the form with a hand brayer, and pull an impression. If the form prints lightly, the press is packed properly. If no impression shows at all, it may be necessary to add an additional board. If the impression is too heavy, take off the second board. (5) Place an adequate amount of embossing compound over the short board, covering the entire area where the form will strike. Put several sheets of makeready tissue over this composition, and pull another impression.

(6) Trim all excess composition from around the impression area, leaving approximately one to two picas at the edge. This will relieve the pressure created by the flat surface of the female die. (7) Wipe the female die clean, and allow the press to remain untripped while twenty or thirty impressions are run on the newly made counter die (male). As soon as the compound is thoroughly dry, the press run can begin.

Embossing compound can be bought from most printers' suppliers. However, a very adequate substitute is a mixture of plaster of Paris and makeready paste. Mix the plaster together with the paste until it reaches a consistency similar to putty.

Embossing on a cylinder press is quite similar to that on the platen press operation. The same type of embossing die is used, the same compound is used, but register must be obtained before the counter die can be made. There are several manufacturers who make a steel jacket for the cylinder. It is advisable to purchase one of these if a great deal of embossing work on cylinders is contemplated. They will prevent damage to the cylinder.

Boston printer used effective copy on this blotter. Colors were slate blue-gray (black here) and salmon-orange (brown here) on white enamel pink blotting

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LETTERPRESS & PHOTO OFFSET

Operational procedure for cylinder embossing is as follows: (1) Pack press in normal manner with supers and tympans. (2) Register the form. (3) Strip the press packing and mount the steel jacket. If no steel jacket is used, glue railroad or strawboard stock to the cylinder. (4) Spread embossing compound over the board in the area of impression. (5) Clean the counter die of excess compound, and run the press for 20 or 30 impressions with the trip off. (6) Add a top sheet, cutting out the area surrounding the counter die. (7) Check the gripper bite. Make certain that sheets do not pull out of the grippers.

Embossed items should not be confused with two other kinds of "raised printing" —thermography and steel-die engraving. The three processes are done differently, but the results look somewhat alike.

Thermography is a letterpress process. Printing is done exactly in the same manner as regular letterpress. However, a special ink is used. While the ink is still wet, the sheet travels on a conveyor belt instead of falling into the delivery.

During the ride down the conveyor belt, special powder is sprinkled over the printed surface, and the entire sheet is heat-treated. The combination of special ink, powder, and heat causes the printing to "rise," thus simulating an embossed or engraved product. Thermography is best suited for type and small solid areas.

Steel-Die Engraving Finest

Steel-die engraving is the finest of the three "raised printing" methods. This method belongs to the intaglio family, because the printing form is recessed. That is, the letters or design are cut out of the plate. This is directly the opposite of the letterpress plate, which is in relief. The inking mechanism covers the entire steel die, filling the recessed areas. The plate is wiped clean leaving the ink only in the crevices. Pressure between platen and plate creates the impression, with the ink being sucked out of the crevices. The result is highly appealing. Very fine lines, screens, solids, and type can be printed in relief on the sheet.

Just as with embossing, steel-die engraving can be identified easily. The impression on the back of the sheet will be away from the reader. The fibers of the stock will all be pulled *toward the printing*, thus leaving the outline of the printing in blank and reverse on the back of the sheet.

Although embossing and steel-die engraving appear to be very similar from the back of the sheet, they are different in one respect when viewed from the front of the sheet. Steel-die engraving can be noted as such by the depressed fibers around the printed form. The pressure of the platen against the plate flattens out all the fibers, leaving the stock perfectly smooth where characters or design print.

Gatefold Is Good Sales Device for Customers

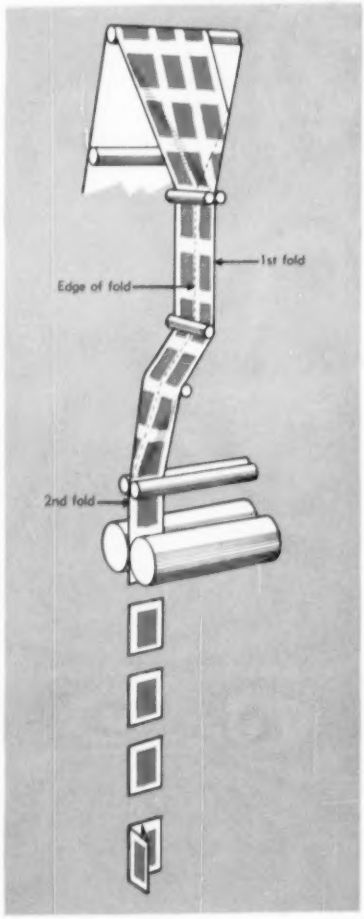
Usually, when someone "gets the gate" that's the end of it and nothing more happens. But in printing, it is somewhat different. When a printing buyer "gets the gate," chances are he'll be back for more, rather than to disappear from the scene.

This gate, naturally, is a printer's device. It is a contraction of gatefold. And a gatefold is what the name implies. It's an extra leaf, hinged to another leaf in a book or magazine and folded inward. When the reader comes to it, he swings it open, like a gate, and inspects the content.

For ease in handling, gatefolds usually are righthand leaves. The extra leaf sometimes is not full page size. Or it may be folded more than once, in an accordion effect. Or there may be extra leaves on both right and left to produce a double gatefold. In fact, the only limitations on variations in gatefolding are the ingenuity of the layout artist and the availability of equipment to produce it.

The values and uses of the gatefold are as varied as its mechanical forms. Most important, a gatefold is a stopper or attention arrester. A reader going through a magazine or booklet simply must examine a gatefold carefully. Its unusual construction whets his curiosity. Any gatefold is sure of getting more reader interest than an ordinary page.

—Article and illustration courtesy J. W. Clement Co., Buffalo



The increased width of a gatefold gives a layout man more freedom in design. He can tell a long story in words and pictures without making the reader turn a page. He can spread out a panoramic view to breath-taking proportions. In advertising, he can show completely a line, patterns, designs or merchandise too large for a single spread. He can use a short gatefold for an order form, removable without destroying the advertisement. Any good layout man can conjure up another dozen uses for gatefolds in a few minutes.

Gatefolds are manufactured by two principal methods, both capable of considerable variation. More common is the commercial printing method. This applies to booklets, catalogs, house magazines and similar pieces printed on sheet-fed presses.

Here the gatefold section is produced as a separate unit. It is first printed, then trimmed and folded. In the meantime, the regular sections of the magazine or booklet are produced on other equipment. The gatefold is bound into the regular sections by one of several standard binding procedures.

Unique is the gatefolding method available in the pressroom of the J. W. Clement Company in Buffalo since 1951. This applies only to large edition magazines produced on five-color web perfecting presses. These presses produce magazine sections, and deliver them folded, ready for binding. The folding is done by slitting the web and passing the two ribbons of paper around formers.

When a gatefold is required, a roll of paper three-quarters its normal width is used. A special former is inserted above the regular former. The web is not slit before it reaches the folders. The special former makes the first fold in the gatefold. The folded web then passes to a regular former which makes the second fold. The sections are then cut off and delivered ready for binding.

Perhaps that makes gatefolding sound complicated. It isn't, with modern equipment. And it is not as costly as you might imagine. But, let's face it, a gatefold section costs more to produce than a standard section. Used wisely, the advantages of a gatefold far outweigh the small extra cost.

In planning a gatefold, you should remember that the gate section must be narrower than the other sections. If it were not, there would be danger of taking off the outside fold when trimming the finished piece.

But by all means, do consider gatefolds —for attention value—for merchandising effectiveness—for visual impact.

WHAT'S NEW? IN EQUIPMENT AND SUPPLIES

Multilith Chain Delivery

A chain delivery attachment has been developed to provide more positive delivery on Multilith presses. Called the Master-Grip chain delivery, the device is said to operate automatically without adjustment, and it will handle a wide range of stock weights.

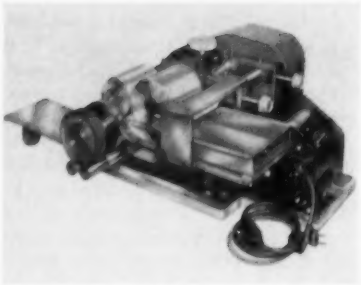
By eliminating the setting of Multilith ejector wheels, the Master-Grip is said to prevent paper spoilage, streaking, creasing, and paper jams. It also reduces static by doing away with "rolled" sheets coming off the blanket. The attachment can be installed by any local mechanic.

For information: Premier Graining Co., 2440 Prairie Ave., Chicago 16.

High-Speed Glitter Application

An automatic machine for applying glitter or sparkle on greeting cards, posters, and other materials has been designed to handle the output of high-speed presses. It is for use with silk screen equipment on cards screened with an adhesive, or with printing presses using special glue. According to the manufacturer, it does clean, dustless processing without wasting material, and can be changed quickly from one type of material to another. It weighs 350 pounds, and is moved easily on swivel casters. The present model handles 12-inch-wide jobs, but larger sizes can be furnished to order.

For information: Virkotype Corp., 111 Rock Ave., Plainfield, N. J.



New margin gluer delivers work coated side up

Margin Gluing Machine

A margin gluing machine said to be ideally suited for mass-production setups has been announced by Potdevin Machine Co. The new machine, Model TMG, delivers work coated side up and can be mounted over a conveyor so that the coated material is carried along for further processing or drying.

Glue or other coating material can be applied in one or more strips on the edge only or as an over-all coating. The machine handles all types of liquid glues, including latex.

The manufacturer says that only a simple adjustment is needed to run materials of varying thicknesses. Rollers of brass or stainless steel are available in various arrangements to suit specific job needs. Machines are made in widths up to 12 inches.

For information: Potdevin Machine Co., 285 North St., Teterboro, N. J.

Automatic machine applies glitter or sparkle to greeting cards and posters, can work at high speeds

Typecasting Plunger Ring

Jernt Engineering, Inc., offers a pot plunger ring for Linotype and Intertype machines that is said to reduce wear on the plunger and eliminate the need for daily cleanings.

Made of a special wrought alloy, the ring is designed to fit into one of the existing grooves of the pot plunger. It expands when heated, sealing the well against dross and preventing back-flow of metal. The manufacturer says that solid slugs can be obtained day after day, and the plunger can run from one to three months between cleanings.

For information: Jernt Engineering, Inc., 5849 W. Lawrence Ave., Chicago.

Pot plunger ring is said to cut cleaning needs

Depth Gauge for Engravers

A new line of optical depth gauges has been designed for photoengravers, electrotypers, and stereotypers. The instruments enable an operator to measure depth and width of halftone dots on plates and cylinders and to inspect for possible undercut, rough bottoms, loss of depth and other flaws.

The new microscopes can be used on either flat or curved surfaces without special adapters or accessories. The operator can take direct readings without referring to conversion tables, and the accuracy of the instruments is said to be within .0002-inch on depth measurements over the full range.

Developed by American Optical Co., the new line includes three models with one, two, and three objective lens assemblies. A 6X eyepiece shows lateral measurements of fine lines and dots.

For information: Unitronics, Inc., 472 Paul Ave., St. Louis 21.

Lino Vise Aligning Block

The Star vise aligning block, a precision tool for testing front lockup on Linotype machines, has been designed to replace the first elevator jaw in checking the relationship of vise jaws to mold and vise cap. The block also can be used to determine the squareness of the vise to the machine.

The use of worn or warped first elevator front jaws as test blocks gives inaccurate results, according to the manufacturer. The new test block is said to give quick, accurate indication of the front lockup condition. Its use also helps to eliminate metal build-up that leads to front and back squirts. In addition, the block shows whether restricted motion in the left vise jaw is causing hairlines.

For information: Linotype Parts Co., South Hackensack, N. J.

Negative Filing Envelope

A new negative filing envelope has been introduced for use with the Mim-E-O line of stencil and offset file cabinets. Measuring 10½x16½ inches, the kraft envelopes are available either with or without a record-keeping form printed on the face. The envelopes are designed for vertical filing with Mim-E-O stencil file hangers.

For information: Mim-E-O Stencil Files Co., 1219 W. Chestnut St., Chicago.

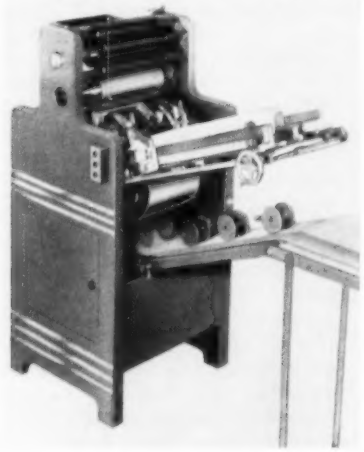
High-Speed Imprinting Press

After three years of research and experimenting, printers are now offered a compact rotary press capable of imprinting envelopes at a rated speed of more than 20,000 impressions per hour.

Called the Hobson Rotary Imprinter, the press handles envelopes from 3x5½ to 6½x12, printing from rubber plates to reduce or eliminate makeready. The plate cylinder is accessible so that changes can be made quickly. The press is only two feet wide and seven feet long, and both feed and delivery are on the same end, so the pressman can handle both operations easily.

For information: Hobson Miller Machinery, Inc., 280 Lafayette St., New York.

Envelope imprinter is rated at 20,000 per hour



Polyethylene Spray Device

A new powder spray attachment has been developed for bag-making machines and flexographic presses running polyethylene materials. Designed to prevent polyethylene surfaces from sticking together and to give them the necessary "slip," the unit sprays a special powder through three to nine nozzles. The nozzles are independently adjustable to provide either partial or full coverage of the stock surface, and each nozzle has its own cutoff valve to adjust it to stock widths.

The unit, which has no moving parts, requires only 2 to 12 pounds of air pressure for either continuous or intermittent operation. The special H & H powder is said to be free of abrasives and safe for use on food, infant's clothing, and cosmetics packaging materials.

For information: H & H Products, 1930 S. State St., Chicago 16.

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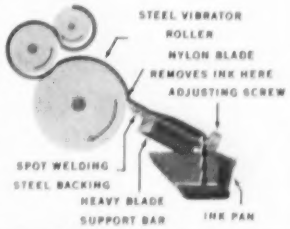

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MANUFACTURERS OF BALDWIN INK FOUNTAIN AGITATORS • BALDWIN VIBRATING ROLLERS
BALDWIN PRESS WASHERS • BALDWIN WATER STOPS • BALDWIN WATER FOUNTAIN LEVELS

New Ink Roller Designed For Flexographic Work

A new flexographic printing press roller, called Flexocraft, recently went into nationwide distribution. Designed especially for flexographic printing equipment, the new roller is said to be formulated of compounds which resist various solvents and will remain stable throughout their life.

Available as both an upper or lower ink distributing roller, the Flexocraft has a natural crude rubber covering for use with flexographic inks that have an ethyl alcohol base. However, the roller also is available with a synthetic rubber covering for use with inks to which ethyl acetate or methyl cellosolve have been added.

Manufactured in Shore hardness values from 45 to 85, the rollers also are offered in sizes from .005 to .015 over standard, to allow for pinch without bottoming gears and to make several regrinds possible before re-covering.

For information: Ideal Roller & Mfg. Co., 2512 W. 24th St., Chicago 8.

High-Speed Drying Machine

Said to be particularly adaptable to silk screen printing, a new dryer system is said to provide high-speed drying of a wide range of inks, coatings, and adhesives.

Called the General Thermo-Jet, the machine uses a new principle; large quantities of warm air are blown at high velocity through a perforated plate suspended about one inch above the work, which is carried on a moving conveyor. The plate produces many tiny jets of warm air which not only evaporate the solvents but also blast away the vapors, thus preventing formation of a vapor blanket that would slow evaporation.

The machines are built in two basic sizes—26x26 and 26x46. These can be assembled with the necessary conveying equipment to handle the specified sheet size and meet drying requirements. The Thermo-Jet dryer can be operated independently or in connection with a printing press, coater, or other equipment. Either electric or gas heating can be provided, and there is a recirculating system to conserve heat.

For information: General Research & Supply Co., 572 S. Division Ave., Grand Rapids 3, Mich.

Collating machine has space for two operators

Sixteen-Page Collator

Collamatic Corp. has added a new 16-bin machine to its line of electric collators. Like the 8- and 12-bin models introduced earlier, the new machine is operated by fingertip switches, but it is equipped with two switches, one for each bank of bins. This means that one operator can collate up to 16 pages at a time, or two operators can each gather up to eight pages at once.

Bins on the new machine will each hold a ream of paper, reducing interruptions for reloading, and the unit is equipped with the company's MagicFeed rollers that are said to assure positive feeding. The Model 1600 collator is delivered complete with a stacking-stapling bin.

For information: Collamatic Corp., Wayne, N. J.

Currency Gift Envelopes

With Christmas still over the horizon, two envelope companies already have announced plans to release a joint line of Justrite currency gift envelopes for 1956. These envelopes are designed for other occasions besides Christmas, however. There are designs for Easter, for weddings and anniversaries, for birthdays and graduations. A steel-die engraved line is made in over 20 original designs, and a lithographed line comes in seven styles. Printers can obtain a complete sample kit by asking for it on their business letterhead.

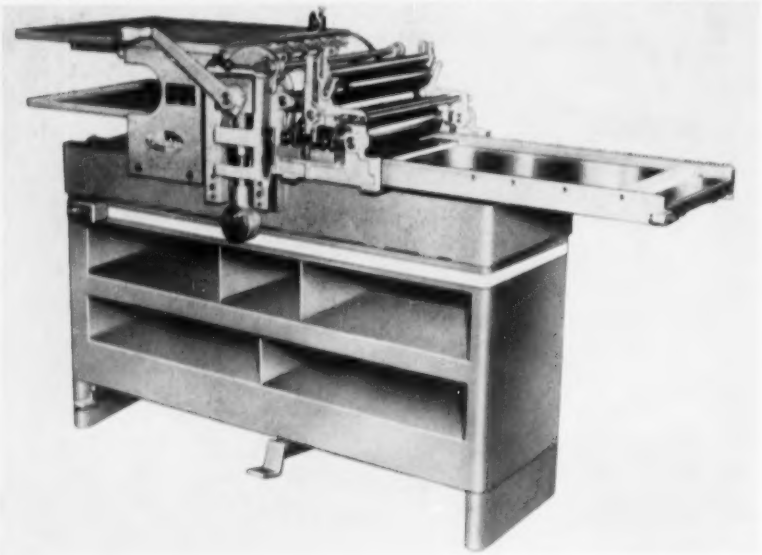
For information: Northern States Envelope Co., 300 E. Fourth St., St. Paul 1, Minn., or Justrite Envelope Mfg. Co., 523 Stewart Ave. S. W., Atlanta, Ga.

Speedy Rubber Plate Mounting

Printers working from rubber plates now are offered a device that is said to speed the mounting and re-registering of individual rubber plates for re-runs. Called the PD-A2 Snap-On Base, the device is a sleeve that can be slipped off and on the press cylinder. Rubber plates are mounted permanently on the sleeve in correct position, with a special sealer used to paint the plate edges and prevent plates from loosening during washups. When needed for re-runs, the sleeve is clamped onto the press with special tension rings that are said to hold it tightly even under the heaviest printing pressure.

For information: Porter & Dugas, Inc., 626 S. Clark St., Chicago 5.

Series GP proof press has one-piece side frame and heavy reciprocating bed to produce quality work



Heavy-Duty Proof Press

Challenge Machinery Co. has introduced a new proof press, Series GP, that it says "combines the advantages of cylinder press operation with new advances in structural design."

The series GP press has a one-piece side frame and a heavy reciprocating bed on a heavy base for better stability. Precision-ground anti-friction rollers, scientifically spaced, ride on wide tracks aligned close to the center of the bed for better weight distribution. The press has automatic grippers and an automatic trip; both can be controlled manually at any point in the operation. Equipped with .004-inch hard packing and type-high bed, the press accommodates all forms up to 14½ x 23½. A special galley-thickness press bed also is available.

For information: Challenge Machinery Co., Grand Haven, Mich.

THE MONTH'S NEWS

Devoted to timely items concerning men and events associated with printing. Copy must reach editor by 15th of month preceding issue date

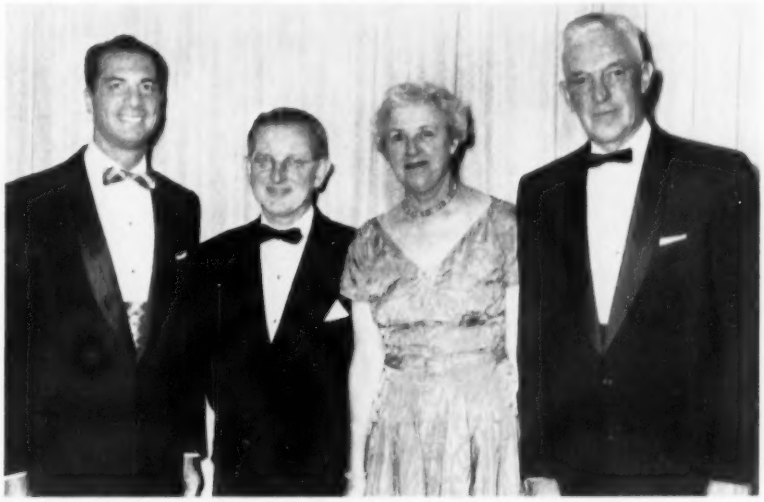
Rochester Printing House Craftsmen president Irving Steubing named 1956 Printing Week Committee as follows: (l. to r.) Rufus Short, Case Hoyt Co., secretary; Carl Talkenburg, Jr., Genesee Valley Paper Co., publicity; Mr. Steubing; Albert Smith, Alling and Cory Co., club secretary-treasurer; William Thorn, Canfield and Tack Co., club vice-president; Dick Beresford, Printing Week chairman

Walter Armstrong Heads Ad Typographers Assn.

Walter T. Armstrong of Walter T. Armstrong, Inc., Philadelphia, is the new president of the Advertising Typographers Association of America, Inc. He succeeded Carl H. Ford of J. W. Ford Co., Cincinnati. Following Mr. Armstrong in the vice-presidential post is former director Harvey Willens of George Willens & Co., Detroit. Continuing officers are the treasurer, Mrs. E. W. Shaefer of Tri-Arts Press, Inc., New York City, and executive secretary Glenn C. Compton.

Discussion of costs and cost ratios, production efficiency, technology and new equipment, and customer and public relations featured ATA's 29th annual convention Oct. 26-29 at Miami Beach, Fla.

Past president Kurt H. Volk of Kurt H. Volk, Inc., New York City, was elected an honorary life member of the board of directors. He is the second member so honored. The other is senior past president C. E. Ruckstuhl of the Typographic Service Co., New York City.



New officers of Advertising Typographers Association of America are Harvey Willens, vice-president; Glenn C. Compton, executive secretary; Mrs. E. W. Shaefer, treasurer; Walter T. Armstrong, president

Rotary Business Forms Printers Elect Clarkson as New Leader

New officers for the Rotary Business Forms Section of Printing Industry of America, Inc. include Max Clarkson, Clarkson Press, Buffalo, president; C. C. Barfield, Harry Barfield Co., Atlanta, vice-president; John H. Logan, Vue-Fax Corp., Westbury, L. I., N.Y., secretary, and M. G. Lewis, M. G. Lewis Printing Co., Jacksonville, Fla., treasurer.

A production standards survey is now under way and members have been assessed to finance it. Two of the most common presses used in the rotary business forms industry have been studied. Next step in the survey will include work on five more presses and on rotary snap-out collators having from six to 12 stations. This report will be presented at the next meeting of the section on March 22-23.

Any rotary business forms printer now a member of PIA may become a member of the section by writing to Rotary Business Forms Section, c/o Printing Industry of America, 719 Fifteenth St. N. W., Washington 5, D. C. There are no section dues but if members wish the results of the survey, they must pay for them.

Officers of the Chicago Club of Printing House Craftsmen are here looking at the birdie instead of watching Mayor Daley sign the 1956 Printing Week proclamation; mayor hasn't even signed the proclamation but is also interested in photographer. Left to right, Edward M. Egan, second vice-president of the club; Lowell L. Dummer, first vice-president; Steve Sluka, immediate past president; G. W. Bassett, Chicago Printing Week chairman, Harold E. Sanger, current president of Chicago Club

Work Simplification Film Festival Features Winning Pictures on Printing Techniques

Reported for The Inland Printer
By Lillian Stemp

Award-winning Work Simplification films entered in the Industrial Management Society's Methods Improvement Competition were shown for two full days at the Work Simplification Film Festival feature of the 19th Annual Time and Motion Study and Management Clinic in Chicago Nov. 9-11.

Of special interest to the printing industry are two of the winning films. One was entered by the Western Printing & Lithographing Co., Racine, Wis., which won third place in the competition for companies with more than 1,000 employees. Charles Conrard, director of industrial relations at the Racine plant, and Paul Maley, work simplification engineer, accepted the award. The film is entitled "Inserting and Crimping Wire-O Binding."

This film, as well as all other award-winners, may be obtained on a rental basis from the Industrial Management Society's headquarters, 35 E. Wacker Dr., Chicago. Rental charges are $5 per film for non-members for five days and $3 per film for members.

Western's film was introduced by Mr. Maley, who explained Western's Work Simplification program and its present activity with problem-solving teams.

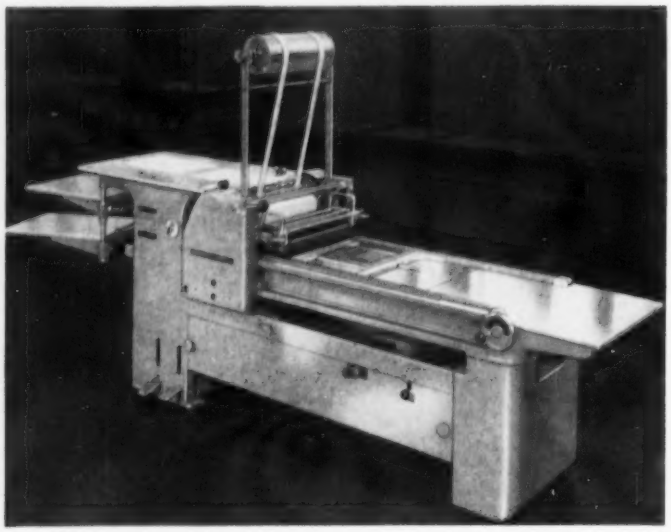
The second film was submitted by the Hersey Manufacturing Co., South Boston, Mass. It takes the viewer through the steps of the old method of packing a product and gluing the container. A messy job, and distasteful because it resulted in poor housekeeping and contributed to messy work clothes, the operation was improved through the application of Work Simplification principles by changing from gluing to stapling. It brought more satisfaction to the worker and resulted in a better packing job.

Awards were presented at the opening session of the IMS meet Nov. 9. Allan H. Mogensen, head of the Work Simplification Conferences at Lake Placid, N.Y., was the main speaker. His subject was "Maintaining Interest in Your Work Simplification Program." He pinpointed problem-solving teams as the action phase of Work Simplification training. Mr. Mogensen warned against managements' acclaim of the program if they did not provide evidence that they were willing to support it.

Following Mr. Mogensen's talk, a panel of Work Simplification leaders answered questions submitted by the audience. On the panel were two industry representatives, Mr. Conrard of Western Printing & Lithographing and Ben Graham of Standard Register Co., Dayton, Ohio.

Mr. Graham spoke at one of the IMS sessions on the subject "Simplifying Your Production and Inventory Control Paperwork." He suggested that all paperwork be measured in terms of whether or not it helps anyone to do a job better. "Let's not be in too great a hurry to mechanize to simplify paperwork. If we give the problem some thought, we may find that we shouldn't be doing the paperwork in the first place." He cited examples that showed that it was easier to simplify and save overhead costs than to offset the costs by increasing sales.

In the discussion that followed Mr. Graham's talk, the following points were brought out: (1) Look at paperwork with the view of determining whether or not it helps anyone do a job; (2) Does it help enough to justify the cost of the paperwork? On the average, 30 to 50 per cent of paperwork now being done can be eliminated; (3) Assemble all the reports that go to top management and present them in one swoop. That will give management a chance to look at the paperwork at one time. It will be easy to see where there is duplication, obsolescence, etc.



Vandercook Power 219 *with Adjustable Bed and Automatic Tape Sheet Delivery. Maximum plate or form size 18" x 24". Maximum speed, 500 proofs per hour.*

Why Waste High Priced Operator Energy On A Crank Handle?

Fast, steady and power operated proof presses will give you more production and better quality! The Vandercook Power 219, when equipped with the new Automatic Tape Sheet Delivery which returns the printed sheet to the operator at the feed board, is the most efficient test press for the production of 1 to 1000 proofs of the finest quality.

Trade in your hand driven proof presses on modern high speed Power 219's. Payments spread over five years, plus the new depreciation rates, make the balance very easy to handle. Write us for further information.

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VANDERCOOK Minimum Makeready System

Cottrell Company, Printing Press Makers, Celebrate 100th Anniversary in New York

In July of the year 1855, Calvert B. Cottrell and Nathan Babcock set up in Westerly, R. I., a plant for making flat-bed presses and other machinery. Their earliest hand-fed presses were powered by

Donald C. Cottrell

George S. Dively

strong-armed crank-turning helpers. The best flat-beds in those days printed up to 1,800 sheets an hour, one side at a time. Later, invention-minded Calvert Cottrell developed a web perfector press that printed roll paper on both sides without smudging, and delivered 3,000 cut sheets an hour. The first magazine using this press was *The Youth's Companion*. That was in 1890.

In 1946 the Cottrell Company installed the first of its current multicolor magazine presses in Curtis Publishing's Philadelphia plant. The press stands 78 feet long, two stories high, and weighs about twice as much as a diesel locomotive. In 25 minutes it uses a full seven-mile roll of paper. It prints 8,000 magazine pages in half a minute, a far cry from Cottrell's century-ago flat-bed speed of 1,800 sheets an hour or 150 per half minute. Signatures of 12 pages each pile up at the rate of 79,500 per hour.

Those paragraphs dovetail the first and latest chapters in the Cottrell Company's 100-year history. President Donald C. Cottrell, grandson of Calvert Cottrell, filled in the gaps when the Newcomen Society in North America honored him and the company at an Oct. 26 dinner in the Pierre Hotel, New York City. The Society staged the event to mark the anniversary as an important milestone in New England and American industrial history.

Presiding when the Society hosted a large gathering of leaders in the printing and other industries was Charles Penrose, senior vice-president for North America. Mr. Cottrell was introduced by George S. Dively, chairman and president of Harris-Seybold Co., of which the Cottrell Company became a subsidiary two years ago.

Mr. Cottrell recalled that the founder's sons Edgar, Charles, Calvert, Jr., and Arthur came into the firm after Nathan Babcock retired in 1880. All four were active in developing the modern press. Three served as presidents. The speaker introduced his son, Donald C. Cottrell, Jr., of the Chicago office, as representing the fourth generation.

Cleveland Forms New Organization To Sponsor 1956 Printing Week

Cleveland's 1956 International Printing Week celebration will be sponsored by a new organization, the Graphic Arts Institute of Cleveland. The institute was formed to coördinate the activities of some 40 different groups and associations that support the Printing Week program.

The institute is headed by Ben D. Zevin, president of the World Publishing Co. Other institute officers are George Dively, chairman and president of Harris-Seybold Co., vice-president; Ray Lindquist, director of the Cleveland Public Library, secretary; and Carl E. Stahley, public relations director of the Cleveland Chamber of Commerce, treasurer. Fred W. Baker, public relations director of Harris-Seybold Co., is general chairman of Cleveland's Printing Week.

The Robertson "320" darkroom camera

with a ROBERTSON 16x20" CAMERA

Photo Engravers • Lithographers • Silk Screen and Gravure Houses

take advantage of the profitable volume in smaller size and individual plate making jobs WITHOUT penalizing production flow through your larger equipment. This ROBERTSON "320" camera is a compact, low cost, precision instrument for single or group negatives from copy up to 21x25"—line or screen work in any number of colors and processes up to 16 x 20". Its all metal construction assures rigidity and accuracy. Dark room scale focusing system, color corrected lens, glass screen mechanism, electric timer, lamps, reflectors and many other plus value features—a professional Graphic Arts camera for craftsmanlike reproduction.

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FREE Send for your free copy of the "320" Manual of Operation — an illustrated booklet showing the flexibility, versatility, easy operating and economy features of this volume building "320" camera. No obligation.

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23 x 30" PRESS CUSTOMERS

Meet the unofficial members of our Board of Directors

Small or large, every customer guides our efforts to serve you better

Nobody wields a bigger influence on our plans and presses than you . . . our customers and prospects. Your experiences and opinions are among the most valuable guides we have. You talk . . . we listen, and both of us profit!

Take, for example, the universal problem of productive hours. Every printer, no matter what make of press he uses, has to cope with make-ready time and changes in adjustments.

So, our engineers are constantly working on these things. With your help, they have simplified and speeded up make-ready. They have developed quick-acting plate clamps that are unusually fast and positive. Also, they design presses with maximum accessibility—adjustments are on the outside. And, they make sure that once settings are made, they *stay* set all through the run.

Your suggestions have resulted in other develop-

ments like outside form roller adjustments; quickly reversible and adjustable side guides; quick-change dampeners; and fast, simplified front-lay. All Harris offset presses, from 14½ x 20½″ to 52½ x 77″ sizes, now offer these features. Result (and profit) to you: more salable sheets in the delivery piles.

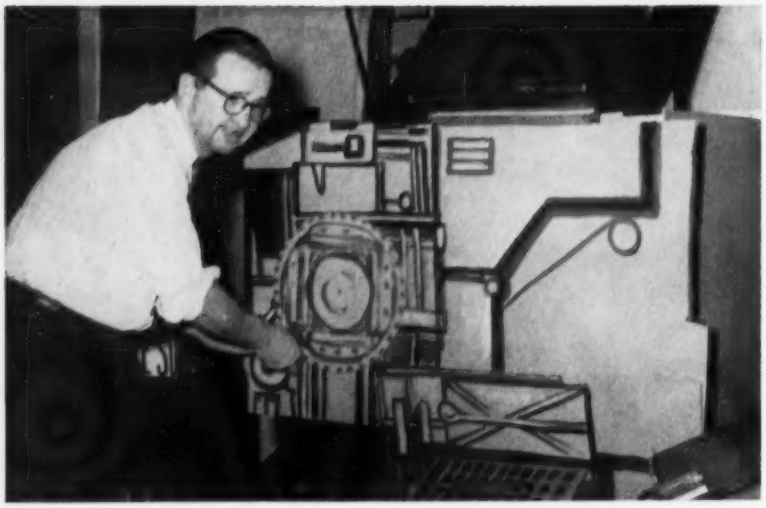
Everybody profits . . . owners, pressmen and *their* customers . . . from competitive advantages like these. Similar improvements can happen in many other ways, big or small, with sincere discussions of problems and ideas. You talk . . . we will listen and try, when we can, to do something. Good communication results in greater progress and profit for both of us.

Harris-Seybold Company, 4510 East 71st Street, Cleveland 5, Ohio.

HARRIS SEYBOLD COMPANY

HARRIS PRESSES

Harris Presses • Seybold Cutters • Harris Litho Chemicals
Special Products • Cottrell Presses • Platemaking Equipment
Macey Collators



Elmer J. Grover was producer and principal player in "The Devil and Noah Webster," staged for the Certificate of Awards dinner held recently in Hartford by Graphic Arts Association of Connecticut

Nelson Leigh, Philip Terry, and Frank Wilcox are seen during filming of "Production 5118," a public-service picture produced by Champion Paper & Fibre Co. Completely non-commercial, the film takes up problem of communication—how we can make others understand us, how we can more clearly understand others. Reservations for showing film can be made by writing company at Hamilton, Ohio

Printing Industry of Dayton honored Public Printer Raymond Blattenberger (second from right) with a plaque citing his service in government. Taking part in the presentation were association officials Frank Somers, Frank Pfeiffer, and Jacob Worner. Ceremonies were held at meeting early in October

"The Devil and Noah Webster" Highlights Hartford Meeting

The Graphic Arts Association of Connecticut had an unusual highlight for its Certificate of Craftsmanship Awards dinner in Hartford Oct. 25.

The feature was a play described by its producer, Elmer J. Grover of Connecticut Printers, Inc., as "a hystery of printing in review, depicting the trials and tribulations a one-time Hartford book-compiler would have had were he to work with today's new-fangled printing equipment."

On the serious side of the program, 28 employees of Hartford printing firms were awarded Certificates of Craftsmanship. The guest speaker at the awards dinner was Donald B. Thrush, president of Thrush Press, New York, and head of the Master Printers' Section of Printing Industry of America, Inc.

Paper Firm Wins Safety Award

P. H. Glatfelter Co., Spring Grove, Pa., papermaker, has been given an Award of Merit by the National Safety Council for operating almost 1.4 million man-hours without a disabling injury.

Birmingham, Alabama, Is Newest Of Printing Craftsmen Groups

The International Association of Printing House Craftsmen added another local club to its roster Nov. 8. That date marked the chartering of the Birmingham, Ala., Craftsmen's club, and Allan Morton of Birmingham Publishing Co. was installed as the first president of the new group.

Chosen to serve with Mr. Morton during the club's first year were Horace Bell of Roberts & Sons, vice-president, and D. T. Cross of Birmingham Printing Co., secretary.

Almost 100 men and women signed the club's charter. Sol Malkoff, past president of the Atlanta club and former chairman of the International's public relations commission, who was active in organizing the new club, said the Birmingham turnout was the largest initial meeting he had ever seen.

Pearl E. Oldt (left), International Craftsmen's executive secretary, presents charter to Allan Morton, chosen as first president of Birmingham (Ala.) Club of Printing House Craftsmen

Garwood Chamberlin (left), new president of the Graphic Arts Association of Washington, D.C., is congratulated by his father, Richard Chamberlin, former president of association

Washington Graphic Arts Group Holds 41st Annual Meeting

Garwood Chamberlin, assistant to the treasurer and chief accountant of E. A. Merkle, Inc., was elected president of Graphic Arts Association of Washington, D. C., at its 41st annual and 1,879th consecutive weekly meeting.

This is the first time a father and his son have served as president. Richard Chamberlin, Merkle treasurer, was the association's 1943-44 leader. His son succeeded J. Thurman Diggs of Byron S. Adams printing house.

Other officers are vice-president John S. Beckham, Rufus H. Darby Printing Co.; recording secretary Ralph Dewhirst, American Printing Co.; and treasurer Clarence Harlowe, Harlowe Typography, Inc.

Carnegie Printing Students Reactivate AIGA Chapter

Students at the Carnegie Institute of Technology have reactivated the Pittsburgh student chapter of the American Institute of Graphic Arts. Meeting early in October, the students, all from Carnegie's School of Printing Management, chose officers and set up a program for the coming year.

Heading the student chapter as president is Paul Duensing. Vice-president is Douglas Morgan, and Walter Reumer is secretary-treasurer. Prof. Homer E. Sterling of the School of Printing Management is the group's faculty advisor. The program for the coming year will include a series of typographic experiments, the first of which will be a keepsake item, "The Rules of the Chapel," from Moxon's *Mechanik Exercises*.

Direct Mail Continues Climb

The volume of direct mail advertising used by American business during the first nine months of this year was $1,024,-132,189, a 5.83 per cent increase over the 1954 period. Direct Mail Advertising Association also estimated September volume as $127,775,000, which was 19.3 per cent above the figure for that month last year.

New Technical Group Is Formed By Photocomposition Operators

Fotosetter Technical Council is a newcomer in the field of graphic arts organizations. Intertype Corp. coöperation nurtured its birth, and it came into being at a two-day conference in Brooklyn, N.Y.

Attending the sessions were 37 registrants representing 45 Fotosetter installations in this country and Canada. With Intertype president Harry G. Willnus and his research and technical staffmen, they discussed operation details and the expanding potential of phototypesetting.

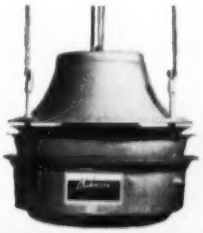
Heading the Council is W. E. Trevett of Cooper & Beatty, Ltd., Toronto. Serving with him are vice-president H. J. Echele of Warwick Typographers, Inc., St. Louis, and secretary Wilfred E. Switzer of Philadelphia.

Early April is the time for the Council's second meeting, which is expected to feature reports on new developments and procedures, and technical seminars dealing with various phases of operation and management.

Set New York Printing Exhibit

Again as in past years, New York Employing Printers Association's Exhibition of Printing will be a Printing Week feature in that city. The 14th annual show will be on view Jan. 16-20 in the Hotel Biltmore. Serving on the board of judges are chairman O. Alfred Dickman, *New York Herald Tribune* advertising production manager; Amos Bethke, central printing department manager, Time, Inc.; Ernest Donohue, coördinator of traffic operations for Batten, Barton, Durstine & Osborn, Inc.; Melvin Loos, Columbia university adjunct professor of graphic arts; and Ernest F. Trotter, *Printing* magazine editor.

Low-Cost Humidifiers End "Dry Air" Static, Stop Paper Shrinkage



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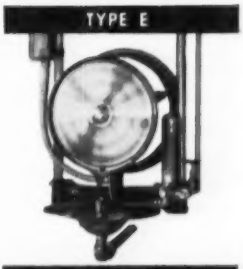

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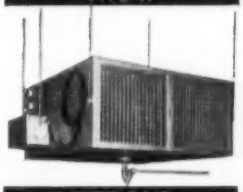


TYPE BA-2

Printers in shops of all sizes report tremendous savings in time, labor, money . . . with *controlled humidification* by Bahnson Unit Humidifiers.

Designed for spot or complete coverage with single or multiple units . . . with operating costs as low as $10 per year per unit!

- **Self-contained** — No auxiliary equipment required.
- **No floor space** — Suspend from ceiling; easily installed.
- **Complete evaporation range** — Wide choice of units.
- **Fully guaranteed** — By America's largest maker of industrial humidification equipment.

Now, reduce paper spoilage and register problems — increase your profit margins — with Bahnson Unit Humidifiers.

HUMIDITY CONTROL IN THE PRINTING INDUSTRY

Bahnson

FREE NEW BOOKLET!

Get accurate, authentic answers to humidity problems in new book based on actual experience. Saves time, money, trouble. Clip coupon to your letterhead and mail immediately.

NAME.....

G-7

Bahnson COMPANY
WINSTON-SALEM, N. C.

Packaging Field Represents Market for Good Printers

The packaging field represents a market for good printers, not cheap printers—quality, not price, gets the business.

So said industrial designer Egmont Arens at the 17th annual Packaging Institute forum in New York Oct. 31. "Some printers," Mr. Arens said, "are selling quality, demanding their price, getting the business. It is important to tell customers the nature and cost of what they're buying. If they want high-fidelity reproduction, they've got to pay for it."

Norman F. Greenway, president of the Folding Paper Box Association, pointed out that much of the $200-billion-worth of products retailed annually is bought on the basis of packaging, with little or no effort by sales people.

On the technical side of the meeting, experts discussed such subjects as paper printability, color production control methods, and the development of a sheet-fed proof press for flexographic printers. A seminar on flexographic printing was led by Douglas E. Tuttle of Interchemical Corp.

More than 1,000 forum registrants, coming from many states to take part in seminars on all phases of packaging, were welcomed by the Packaging Institute president, F. S. Leinbach of Reigel Paper Corp.

Contract Production Division Established by R. Hoe & Co.

R. Hoe & Co., Inc., now in its 150th year, has set up a contract manufacturing division. The division will make available to all industry Hoe's special machine design, engineering, and other precision production facilities. The company will continue to make newspaper, magazine, and metal-decorating presses and saw equipment.

Hoe's production of industrial equipment and ordnance material for the federal government already has passed the $100-million mark and includes a million-dollar contract involving tools, jigs, and fixtures for use in manufacturing a new type of Navy aircraft.

"CAN'T HOLD A CANDLE TO"...

Do you know how this expression began?

In the seventeenth century a servant bearing a candle usually accompanied his master at night to light the way. Being a very simple task, "can't hold a candle to" became an expression referring to a person or object of low caliber.

To help "light the way" to better business stationery design, we have prepared a bound brochure containing 16 outstanding business letterheads. Included too, is a six-page introductory on the elements of a good business letterhead. You can obtain a copy of this valuable brochure without obligation by writing for it on your business letterhead.

GILBERT PAPER COMPANY / Menasha, Wisconsin

Charles Oliff (right), executive of W. F. Hall Printing Co., Chicago, gets a 50-year keepsake from Frank Middono, chairman of committee representing workers with 30 to 50 years' service

Charles Oliff, Hall Executive, Cited for 50 Years' Service

Charles Oliff, vice-president, treasurer, and director of W. F. Hall Printing Co., Chicago, was honored by the company and his fellow employees when he began his second 50 years of service with the company Nov. 7.

The ceremony was arranged by a committee of 15 men and women representing 224 Hall employees who have been with the company 30 to 50 years. As mementos of the event, Mr. Oliff received a keepsake book from this group and a basket of 50 roses from the Hall-Roto-Central Employees' Association. At a later meeting of the company's executive council, Mr. Oliff received a pocket watch from Alfred B. Geiger, company president.

Mr. Oliff's 50th anniversary keepsake book, leather-bound, contained the story of the high points of his service with Hall, the signatures of all the 30- to 50-year employees, and personal letters from all of the officers and directors of the firm.

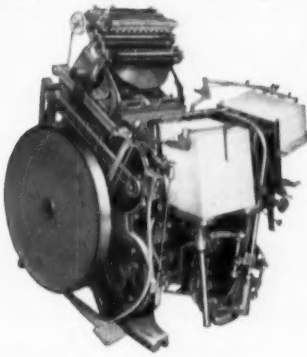
Plan Expanded Advertising Show

The graphic arts will play an important part in the 1956 National Advertising Industries Exposition in Chicago. The exposition, scheduled in the Morrison Hotel Jan. 29 through Feb. 1, is expected to be triple the size of last year's show, according to its sponsors. Among the new features will be a complete "Graphic Arts Reproduction Center" and a "Screen Process Printing Center." These two centers of attraction will group together many displays of materials and equipment used in advertising production.

GET MORE AND BETTER *Impressions and Profit* WITH C & P PRESSES

14½ x 22 CRAFTSMAN AUTOMATIC

For die cutting, scoring, creasing, inking, blanking, stamping and embossing, these exceptionally rugged presses combine the convenient make-ready, operating ease and all-around usefulness of a large size platen press with the cost-cutting advantages of automatic feeding. Two models—Regular and Heavy Duty. Both presses handle irregular and odd shapes. They blank, stamp and ink book cases and covers. Both have sufficient impression strength for cutting, creasing and die cutting as well as the ability to produce high quality printing.



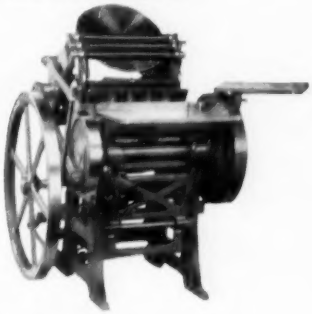
THE NEW CRAFTSMAN AUTOMATIC

10 x 15 12 x 18

The side delivery of printed sheets, the accurate, hairline register, the dual impression controls and the large feed and delivery capacity provide a press that produces a wide variety of fine, quality printing at a profit. Speeds per hour up to 4500 on the 10 x 15; up to 4000 on the 12 x 18. Handles any stock from onionskin to heavy board. Prints two-up to register.

C & P CYLINDER PRESS

Handles fine halftone, close register and color printing at speeds up to 4800 i.p.h. Ideally adapted to both long and short runs. Remarkably efficient in high production at low costs. Handles sheets from 3½ x 5½ to 12¼ x 18½, from onion skin to 4-ply cardboard.



C & P NEW SERIES PRESSES

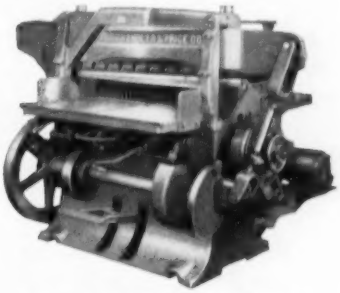
Made in four sizes—8 x 12, 12 x 18, 10 x 15, 14½ x 22—designed for hand feeding all kinds of commercial printing, from all-type forms to process color work. Smaller units are capable of producing up to 3,000 i.p.h.—larger sizes, 2,000 i.p.h.

C&P 37″ AUTOMATIC PAPER CUTTER

Fully automatic, with ease of clamping and cutting that only electrical operation can provide. Unusually wide table with extensions—width between housings 37″. Push-button controls make operation extremely easy, simple and fast. Two-handed control of cutting with foolproof non-repeat device that meets all safety requirements.

37″ HAND CLAMP POWER CUTTER

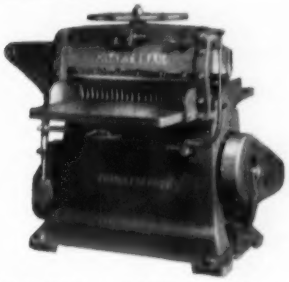
This cutter is similar in operational features to the 37″ Automatic Cutter except that the clamp is manually operated. However, the machine can be converted at any time to a fully automatic cutter by the installation of our power clamping unit in place of the hand clamping device.



C & P AUTOMATIC CUTTERS

2 SIZES: 44″ 50″

Extremely rigid base—substantial one-piece casting. Two-handed operating control with non-repeat device; 1″ traveling overhead tape, hair line indicator, illuminated tape magnifier combined with light for table, adjustable knife bar gibs, all controls within easy reach. Your wisest choice is a C & P cutter—cutters that have *proved* their ability to do accurate and economical cutting.



C & P 34½″ HAND CLAMP POWER CUTTER

Handles large volume of cutting and trimming, speedily, accurately and at low cost. One-piece cast frame, heavy ribbed construction; extra heavy knife bar, pulled in single shear, requires less power and eliminates all draw and chatter; illuminated tape magnifier; two-way starting motion, cannot start nor repeat accidentally.

● Before equipping a new printing plant or modernizing your present plant, it will pay you to investigate the complete lines of Chandler & Price printing presses and paper cutters which reflect almost three quarters of a century of experience in manufacturing high quality printing machinery.

More than 150,000 Chandler & Price presses and cutters have proved their sterling worth and profit-making qualities.

Detailed descriptions of any of the units illustrated here will be supplied gladly upon request.

THE CHANDLER & PRICE COMPANY

6000 CARNEGIE AVE. • CLEVELAND 3, OHIO

Now you can get more and more orders for printed envelopes — *and fill them profitably* even when your presses are loaded with other work. Send them to your Envelope Supplier. He'll send them to U.S.E. to be printed at the mill. All you do is write the order, supply layout, artwork and copy, or electros and collect the profit!

More and more of this business will come your way if you use the U.S.E. Envelope Check List Folder with your customers. Ask your Envelope supplier for the whole story.

Ask for the envelope order, too. If you'd rather not print it, sell the envelopes MILL-PRINTED

UNITED STATES ENVELOPE COMPANY

SPRINGFIELD 2, MASSACHUSETTS

15 Divisions from Coast to Coast

E-5P

Health and Safety on NSC Printing Section Program

Health, training, management, magic, and controls all were part of discussions late in October when the Printing & Publishing Section of the National Safety Council met in Chicago. The meeting was held during the 43rd National Safety Congress.

Among speakers on the program was Dr. Gradie R. Rowntree of Fawcett-Dearing Printing Co., Louisville, Ky. Dr. Rowntree outlined the advantages of a preventive health and safety program conducted at Fawcett-Dearing.

Management's view of a safety program was discussed by Oliver R. Sperry of R. R. Donnelley & Sons Co., Chicago, who emphasized the supervisor's key role in injury and accident control and the need for using up-to-date information in training programs.

Charles Shapiro, manager of Lithographic Technical Foundation's educational department, brought in a third aspect of training—the fact that a complete safety training course now is available for printers. Mr. Shapiro pointed out that material developed jointly by the Printing & Publishing Section and the Education Council of the Graphic Arts Industry provides a complete package of safety training materials for plants of all sizes.

Magic had its place on the program when John J. Foley, rotary pressroom foreman for R. R. Donnelley & Sons Co., used his sleight-of-hand skill to demonstrate that there is no illusion in safety.

As general chairman of the Printing & Publishing Section for 1955-56, members chose Lillian Stemp, who has written many articles on plant safety for THE INLAND PRINTER. Vice-chairman of the section is Eugene P. Ernest, safety officer for the U. S. Government Printing Office, and the secretary is William S. Block, safety director of Meredith Publishing Co., Des Moines.

Charles M. Andrews, office boy who became vice-president of E. P. Lawson Co., New York, is presented with a watch by D. W. Schulkind, president, honoring his 25 years' service with firm

Ribbon-cutting ceremony opening new headquarters of Printing Industries of Philadelphia was led by D. Edward McAllister (center), building fund chairman, with Joseph Matlack, the PIP president, Romayne Lieber, staff member

H. T. Holbrook New Head Of Packaging Institute

The new Packaging Institute president for 1955-56 is Herbert T. Holbrook, Standard Packaging Corp. vice-president in charge of expansion and development. He succeeded F. S. Leinbach, vice-president of Riegel Paper Corp.

H. T. Holbrook

Institute vice-president E. H. Balkema of Colgate-Palmolive Co. was reelected. The new vice-president and treasurer is A. Douglas Murphy of Esso Standard Oil Co. Named to join the board of directors were D. R. Grant of Beech-Nut Packing Co., John W. LaRocque of American Flange & Mfg. Co., C. F. Shokmiller of the Grove Laboratories, Inc., and R. M. Shultz of the National Biscuit Co. Charles A. Feld continues as executive director.

St. Regis Kalamazoo Paper Mill Observes Its 60th Anniversary

The St. Regis mill in Kalamazoo, Mich., one of the company's major printing and publication paper mills, observed its 60th anniversary on Sept. 25. The business was founded as Bryant Paper Co. St. Regis took it over from Time, Inc., nine years ago. It produces enamel coated and uncoated commercial and label papers, and specialty stocks from reclaimed paper and bleached kraft pulp from the St. Regis mill in Tacoma, Wash.

St. Regis invested over $4,500,000 in modernization of the Kalamazoo plant. Current output from five machines and the coating mill equals that of the eleven machines in operation three decades ago, when Bryant was one of the world's largest book paper mills.

Typographic Treatment of Bible Is Problem in Contest

More than 40 designers in 15 countries have joined in a unique typographic project. The plan calls for individual typographic treatments of the Bible to serve as model solutions to design problems involved in printing any Bible anywhere.

In the project, which is titled "Libor Librorum," each designer will demonstrate his own typographic treatment of the Book of Genesis. Each design will be printed as an eight-page folder, and all will be assembled in special cases. Some 500 of the 1,500 copies will be sold at $20 each on a nonprofit basis. Money left after expenses are covered will be donated to Dr. Albert Schweitzer's Lambarene Hospital.

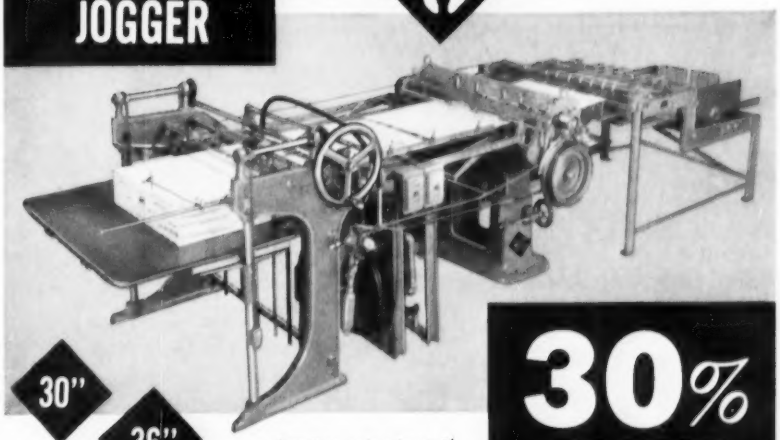
Announcement of the project was made by Paul A. Bennett, United States; Francis Meynell, Great Britain; C. Volmer Nordlunde, Denmark; Raul M. Rosarivo, Argentina; Maximilien Vox, France; Bror Zachrisson, Sweden; and Hermann Zapf, Germany.

Inquiries, orders, and checks should be mailed to Liber Librorum, in care of Bror Zachrisson, Parkvagen 35, Djursholm, Sweden.

3 in 1 COMBINATION FEEDER PERFORATOR JOGGER

NEW! Automatic BIG PRODUCTION UNIT

N-D



30" 36" 42" 45"

Requires only about 5' x 15' floor space. Can be placed against wall.

30% FASTER ON STRIKE WORK

ONE OPERATOR CAN HANDLE 2 MACHINES

If it's big production you want, here's your answer . . . the new, improved N-D Combination Feeder-Perforator-Jogger assembly that sets you up to turn out really big volume F-A-S-T! The all-new striker mechanism is the most positive ever devised for a slot hole perforator, and allows a speed increase of MORE THAN 30% on strike work over any other N-D perforator ever built. And it's so simple, so COMPLETELY AUTOMATIC one operator can easily handle 2 such set-ups. The Perforator connected between the Feeder and the Jogger is the new precision 30", 36", 42" or 45" model. Produces 7,500 SHEETS PER HOUR on straight-run work, 17x22 sheet, with proportionate speeds on other sizes. Sheets delivered ready for packaging. It's great unit . . . a remarkable production builder. By all means, check into it.

Write today for latest literature!

NYGREN - DAHLY COMPANY
1422-32 ALTGELD ST. CHICAGO 14, ILL

Clawson to Present Critique Of Calendar Pages for 1956

The Boston Club of Printing House Craftsmen has named Miller Printing Machinery Co. marketing director William T. Clawson as Tileston & Hollingsworth 1956 calendar critic. His rating of sheets produced by 12 New England, New York, Philadelphia and Baltimore printers will be a feature of meetings of Craftsmen and other groups beginning Feb. 7 in New Haven, Conn., and ending Mar. 13 in Baltimore.

Sheets printed by letterpress, offset lithography and silk screen tie in with the Benjamin Franklin 250th anniversary celebration by picturing incidents in Franklin's career when he was in Boston, Philadelphia and France.

Twenty-four Chicago-area branch managers and salesmen of American Type Founders visited Hamilton Manufacturing Co., Two Rivers, Wis., recently during "ATF Sales Safari." During three-state trip, visits were made to several firms making printing products distributed by ATF

S&V

. . . sign of ink service

S&V stands for more than the finest quality printing inks . . . it stands for prompt and efficient service for every customer, large or small. Every order, regardless of size, receives prompt attention at S&V. A trouble call to S&V from anywhere in the country will be answered in person within 24 hours by a local representative. S&V welcomes every opportunity to be of increased assistance to the printers it supplies, whether by creating a special ink to suit a particular purpose, or by offering helpful guidance on technical problems. For the finest in printing inks and the very best in service, remember to rely on S&V.

Sinclair and Valentine Co.

Main Office and Factory: 611 West 129th Street, N. Y. 27, N. Y.

OVER 35 BRANCHES PROVIDE SERVICE FROM COAST TO COAST

Cuneo Press Plans Big Expansion In Chicago Rotogravure Plant

John F. Cuneo, president of the Cuneo Press, Chicago, announced recently an extensive program of expansion for the company's Chicago plant.

When the program is completed, Cuneo will have a continuous, straight-line, one-level operation more than 1,650 feet long. The building and equipment will cost about $3 million.

With the in-line operation, paper stock will enter the warehouse at the south end of the plant at the rate of 60,000 tons a year. Presses will deliver magazine signatures northward on conveyors to the bindery and mailing departments.

Cuneo's Chicago plant prints rotogravure magazine sections for two Chicago papers, the *Milwaukee Journal, Family Weekly,* and the midwestern edition of *American Weekly,* with a total weekly print order of about nine million copies. In addition, the plant does color roto work for magazines and mail order catalogs.

Graphis Annual Publisher Plans New Volume on Package Design

Graphis Press of Zurich, Switzerland, publisher of the *Graphis Annual,* has announced plans to publish *Art in Packaging,* a volume that will show the best packaging designs produced since World War II.

Walter Herdeg, editor of *Graphis Annual,* is selecting material for publication in the new volume. He has invited American artists specializing in package design to submit good photographs of their best work. He also will welcome suggestions concerning the scope and contents of the book.

Each item submitted for consideration for *Art in Packaging* should show the name of the designer, artist, art director, and any special production information. Material should be sent to Graphis Press, Nuschelerstr. 45, Zurich, Switzerland. Letters relating to the book's content should be mailed separately and addressed to Mr. Herdeg.

Edmund Flynn Resigns PIA Industrial Relations Post

Edmund J. Flynn resigned last month from his post as industrial relations director and secretary of Printing Industry of America's Union Employers Section and is now labor advisor for Kennecott Copper Corp. western division, with headquarters in Salt Lake City. His resignation was announced by UES president Walter F. McArdle. Mr. Flynn's PIA service for unionized companies took him on extensive travels across the country. His responsibilities included liaison with unions; development of cohesion among employers having union contracts; liaison with governmental agencies active in labor law and industrial relations fields; advice and recommendations on personnel practices and problems; and analyses of international union laws.

Edmund J. Flynn

Overbay, Typographic Leader, Dies

Arthur S. Overbay, a leader in advertising and the graphic arts, died Oct. 31 in Indianapolis. He was 59. Head of the Typographic Service Co., which he founded in 1923, Mr. Overbay began his career in the United Typothetae School in Indianapolis and spent all his life in the development of printing and the graphic arts in that city. He was the only man ever to serve as president of both the Advertising Typographers Association of America and the International Typographic Composition Association. He also was president of Printing Industries of Indiana and a charter member of the Indianapolis Craftsmen's club.

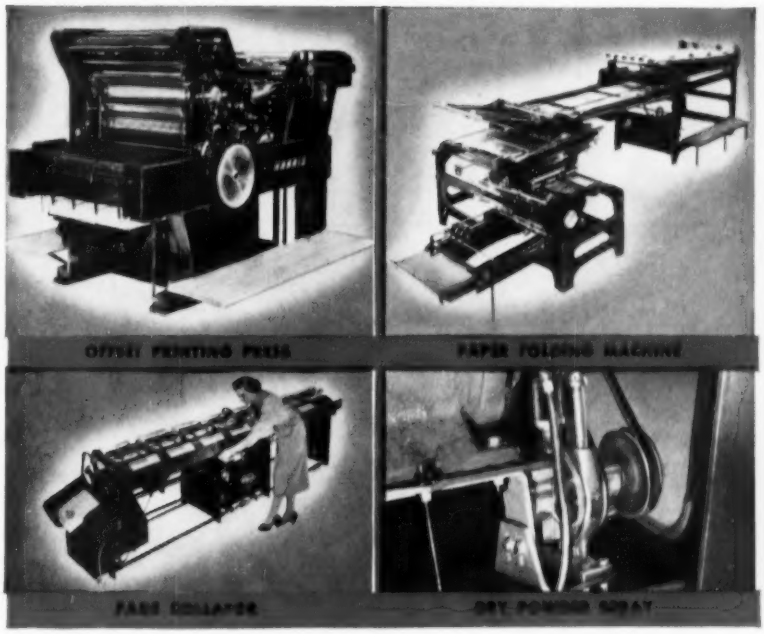
Arthur S. Overbay

"Philosopher-Merchandiser" Edits House Organ for Printing Buyers

Wilson Arbogust, "Chicago philosopher-merchandiser," has succeeded his late uncle, Oren Arbogust, as the editor of "The Notebook of a Printer," a house organ used by printers to maintain customer contacts.

A four-page quick-reader, "The Notebook" offers advertising and selling tips to stores, manufacturers, and other prospective buyers of printing. It is sprinkled with bits of homespun philosophy and quick thoughts on various subjects.

The house organ is prepared in quantities for printers and bears the individual imprint of each printer-subscriber. Mr. Arbogust has his offices at 228 N. LaSalle St., Chicago 1.



What Gast Rotary Air Pumps do on Printing Equipment may spark valuable ideas for your

AUTOMATIC MACHINES

Automation's an old story to printers! For years, they've enjoyed great labor savings from automatic equipment that feeds and positions stock, "levels" ink, applies it, dries, coats, trims, folds, collates and counts the finished product.

For years too, Gast rotary Air Pumps used on graphic arts' equipment have proved their dependability and uniform high performance—vital characteristics for *any* automatic machine which requires trouble-free components to prevent costly interruptions of interdependent operations.

On printing equipment, Gast Rotaries are used for numerous functions. Suction holds, lifts and feeds stock . . . air pressure blows stock to separate it, blows powder for drying, atomizes liquid for spraying, etc.

With a moderate vacuum of 26", you can lift 13 lbs. per square inch or *1,872 lbs. per square foot of vacuum cup area!* So think over what *important jobs Gast Air Pumps might do* on *your* automatic machines and equipment!

For details on 35 actual applications, *write for "Application Ideas" Booklet.* **Gast Manufacturing Corp.**, P.O. Box 117-L Benton Harbor, Michigan.

USE AIR to hold, lift, position, push, pull, rotate, suck, blow, inflate, evacuate, aerate, atomize, oxidize, etc.

Original Equipment Manufacturers for Over 25 Years

GAST ROTARY

- AIR MOTORS TO 3 H.P.
- COMPRESSORS TO 30 P.S.I.
- VACUUM PUMPS TO 28 IN.

SEE OUR CATALOG IN SWEET'S PRODUCT DESIGN FILE

ALPENOPAKE BOND

BASIS 17x22—500—12#

LIGHTWEIGHT – OPAQUE

DESIGNED FOR LETTERPRESS, MULTILITH and OFFSET PRINTING of FORMS, BROADSIDES and JOBS WHERE QUALITY COUNTS

STOCKED IN STANDARD WRITING SIZES IN WHITE AND SIX COLORS BY LEADING PAPER MERCHANTS EVERYWHERE

MANUFACTURED BY

FLETCHER

PAPER COMPANY
ALPENA, MICHIGAN

GRAPHIC ARTS INDUSTRY, INC.
SINCE 1877
A NON-PROFIT ORGANIZATION

APPRAISALS
COST SYSTEMS
PLANT LAYOUTS
PERSONNEL PLACEMENT
BUSINESS REORGANIZATIONS
PRODUCTION PROBLEMS
LABOR RELATIONS
SALES PROBLEMS

Management-Consultants to the Graphic Arts

Write for detailed brochure explaining our many personalized services. No obligation, of course.

YOU CAN DO IT ALONE . . . BUT IT'S EASIER THE GRAPHIC ARTS WAY!

GRAPHIC ARTS INDUSTRY, INC.
1105 Currie Ave. • Minneapolis 3, Minnesota
A NON-PROFIT ORGANIZATION

Albert R. Bourges Dies After Pioneering Career in Color

The career of Albert R. Bourges, founder and board chairman of Bourges Color Corp., New York, ended Nov. 14 in his 73rd year. Mr. Bourges, who first served as an apprentice to a wood engraver, is remembered for his pioneer contributions to the progress of color printing techniques.

In his constant search to make reproduction simpler and more economical without sacrificing quality, Mr. Bourges devised one of the first charts for matching colors in publication printing. He also made important contributions in the fields of cylinder press proofing, dry offset, and electrolytic etching.

Four years ago, a heart ailment made it necessary for Mr. Bourges to ease his business activities. Carrying on the business, which he continued to serve as consultant until his death, are his daughter, Jean Bourges Mayfield, and her husband, H. Franklin Mayfield, who now heads the company.

$3.8 Million Expansion Program Completed by Toronto Company

On the eve of its 50th anniversary, Photo Engravers & Electrotypers, Ltd., Toronto, marked the completion of a $3.8 million expansion program with the opening of its new rotogravure printing division in Etobicoke, Ont. The company, which began as a Toronto photoengraving firm, was one of Canada's pioneers in rotogravure printing.

The new plant has 212,000 square feet of floor space. Its heart is a custom-built, multicolor Hoe press, capable of printing more than 40 million 8¼x11 pages a day, which will turn out magazines, textbooks, and catalogs. The plant is completely air conditioned and equipped with special materials handling facilities.

Establish Scholarship at RIT

For assuring a continued flow of competent technical and sales manpower, Stecher-Traung Lithographic Corp, Rochester, N.Y., has established an annual scholarship to be awarded to a first-year student in the Department of Printing at Rochester Institute of Technology. The student will receive $1,200 credit toward his tuition and fees during his four years of study leading to a Bachelor of Science degree. High school students from six counties are eligible. They must maintain a high scholastic level, and they will have the benefit of close association with Stecher-Traung.

Appoint Three Supplymen's Reps

Lee Augustine, president of the International Printers Supply Salesmen's Guild, announced recently the appointment of three representatives-at-large. They are J. H. Borgman of Beacon Paper Co., St. Louis; Roy Sandvik of Vandercook & Sons, New York; and Willis C. Johnston of American Type Founders Co., San Francisco. The three men, acting as personal representatives of the association president, will represent him at meetings of local guilds in their areas.

E. H. Gleason, former *IP* staff member, dies at 69

Gleason, Former IP Staffer, Dies

Eldon H. Gleason, vice-president of the Graphic Arts Publishing Co., Chicago, since 1933, and a one-time staff member of THE INLAND PRINTER, died Oct. 14 at the age of 69. Mr. Gleason began his career in the publishing field in 1916, when he joined the staff of *Dial* and *Books of the Month* in Chicago. He then became circulation manager and later business manager of THE INLAND PRINTER.

He was also president of the Printers Supplymen's Guild of Chicago in 1923-24 and again in 1928-29, and he was a past international president of the Printers Supply Salesmen's Guild.

CONVENTIONS
WHAT - WHERE - WHEN

JANUARY

International Printing Week; International Printing Education Week, Jan. 15-21.

Printing Industry of America, Professional Conference for Presidents, Boca Raton Hotel, Boca Raton, Fla., Jan. 22-29.

Plant Maintenance & Engineering Show and Conference, Convention Hall, Philadelphia, Jan. 23-26.

Great Lakes Newspaper Mechanical Conference, Schroeder Hotel, Milwaukee, Jan. 29-31.

National Advertising Industries Exposition, Morrison Hotel, Chicago, Jan. 29-Feb. 1.

FEBRUARY

Gravure Technical Assn., annual meeting, Hotel Biltmore, New York, Feb. 1-3.

MARCH

Printing Industry of America, Rotary Business Forms Section (location to be announced), Mar. 22-23.

APRIL

American Management Assn., 25th Packaging Exposition, Convention Hall, Atlantic City, April 9-12.

Southern Graphic Arts Assn., annual convention and 17th annual Exhibit of Southern Printing, Eola Hotel, Natchez, Miss., April 12-14.

National Assn. of Litho Clubs, annual convention, Lord Baltimore Hotel, Baltimore, April 20-21.

International Assn. of Electrotypers & Stereotypers, Spring Technical Conference and Exhibition, Hotel New Yorker, New York, April 25-26.

Printing Industry of America, Web Offset Section (location to be announced), April 26-27.

New Division Officers Chosen By Oregon Printing Industry

More than 100 printing plant owners, operators and executives attended the annual convention of the Oregon Printing Industry at Gearhart, Nov. 5-6. Harry F. Garrett, Eugene, president of the upstate division of the association, presided.

Speakers included Warren Deal, Agency Lithograph Co.; Robert Dahlstrom, Glass-Keystone Press; Arthur Hansen, Abbott, Kerns & Bell; Roger Bachman, Arcady Press, and Glen W. Cruson, general manager, Oregon Printing Industry, all of Portland; Otto Smith, Smith-Bates Printing Co., Klamath Falls; Philip J. Koke, Koke-Chapman Co., Eugene; and J. N. Johnson of the *News-Register* Co., McMinnville.

Otto Smith was elected president of the upstate division. Other new division officers are vice-president, Philip J. Koke; secretary, Mrs. J. M. Beford, *Pendleton East Oregonian;* treasurer, Orrin M. Downey, Durham & Downey, Portland.

MASA Names Staff Member

D. W. Hacker, president of Mail Advertising Service Association International, announced recently the appointment of Jess E. Riggle to the association's staff. Mr. Riggle will be assistant editor of MASA's magazine, the *Post*, and assistant to the executive secretary, Max Lloyd.

ONLY THE NEW C. B. NELSON

COST-CUTTER SAWS

GIVE YOU ALL THESE WANTED FEATURES!

• SUPER-SMOOTH OPERATION!
Full-sliding, Ball-Bearing Table with exclusive Adjustable Brake

• PERFECT SQUARE CUT!
Exclusive Adjustable Saw Head eliminates taper

• GREATER CAPACITY!
Larger table handles plates up to 24". ½ H.P. motor provides extra power

• MICRO-ELEVATING TABLE!
Precision ball-bearing elevating mechanism for undercutting and mortising . . . dial indicator graduated in points

• COMPLETE SAFETY!
Improved Saw Guards and Waste Chutes shield operator from flying chips

• BENCH OR CABINET STYLES
Strip Cabinet or Self-Contained Waste Truck

FOR FULL DETAILS see your distributor TODAY—or write

C. B. NELSON COMPANY
3700 River Road
Franklin Park, Ill.

DO YOU KNOW THAT...

LUTZ & SHEINKMAN, color lithography firm in New York City, has set up a creative merchandising division directed by JACK LANDMAN, former specialist in packaging materials sales promotion for E. I. du Pont de Nemours & Co.

CARL E. DUNNAGAN of the Inland Press, Inc., Chicago, is chairman of the planning committee for the sixth annual meeting of the Research & Engineering Council of the Graphic Arts Industry, Inc. The meeting is set for May 9-11 in Chicago.

M. R. KERNS has been appointed University Printer at Cornell University, Ithaca, N.Y. For the past year, he has been manager of Cayuga Press in Ithaca.

ARTHUR N. STRITTMATTER, general manager for Artcraft Lithograph & Printing Co., New York, and directing production chief for American Artists' Group, greeting card publisher, died Oct. 4 at the age of 52.

ERSKINE V. VAN HOUTEN, JR., has been named sales director for Lewis Printing Co., Richmond, Va.

CHARLES KREBS has completed his 50th year of continuous service with R. R. Donnelley & Sons Co., Chicago. He went to work in the company's composing room in 1905 and is now the oldest employee in point of service.

Charles Krebs

Michael Bizzarri

MICHAEL BIZZARRI has been appointed sales promotion manager for Wisen-Hart, Inc., Cincinnati printing firm. His sales promotion experience includes service with manufacturing, retail, and advertising firms.

COPP CLARK CO., Toronto, 114-year-old publishing and lithographic firm, has been sold to MASTERS, SMITH & CO. The sale price reportedly was approximately $2 million.

K. W. WEYER has been named director of label sales for U. S. Printing & Lithograph Co., Cincinnati. From headquarters in the company's New York office, he will direct label sales in 25 offices throughout the country.

MARK GROSSMANN, president of Thompson Co. Printers, Inc., New York, is currently serving on the board of directors of the National Foundation for Muscular Distrophy.

STANDARD REGISTER CO., Dayton, has announced four factory promotions. T. M. SCHIEWETZ has been named supervisor of the industrial engineering department; WILBUR ALEXANDER is the new assistant to the vice-president of manufacturing; J. T. KERLIN is supervisor of the collating department; and A. J. Denges has been appointed assistant national service director.

WILLIAM H. FRIEDMAN, president of Carey Press Corp., New York, is chairman and CHARLES E. SCHATVET, president of Guide-Kalkhoff-Burr, Inc., is vice-chairman of the New York State Citizens Committee for the Public Schools.

CARL A. H. HIGGINS, formerly with Radio Corp. of America in sales promotion and publicity, has joined the sales department of Jawood L. Anderson, Inc., New York printing firm.

JAMES A. WESTLIN, former president and general manager of the Maqua Co., printing department of General Electric Co., now is vice-president of the Williams Press, Inc., Albany, N.Y. He supervises operations of associated firms such as Greenwood Co., Argus Co., and Valley Offset.

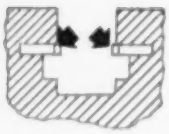
KENNETH WILLIAMS of Potomac Electrotype Co. has been elected president of the Printers Supplymen's Guild of Washington, D. C.

FRANCIS G. BARRETT, president of Typographical Union No. 6, New York, is this year's recipient of the Torch of Hope Award given by the City of Hope Medical Center in Duarte, Calif. The award cited him as the outstanding trade union leader of the year.

does the work of 3 ordinary hooks!

✓ The Wesel System eliminates the need to "back up" hooks!

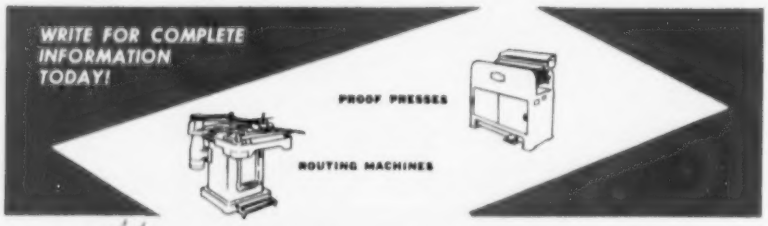
✓ The only system that can be re-racked on the press.



Racks are replaced on the press . . . easily . . . quickly

Wesel Hooks and Racks withstand pressures to 2200 pounds. Hooks lock against racks and absorb all stresses that in other systems are applied to the parent metal itself. Hooks lock mechanically and will not budge until unlocked.

THE WESEL FINAL BASE SYSTEM HOLDS "DOWNTIME" TO AN ABSOLUTE MINIMUM



WESEL MANUFACTURING CO.

Dept. 102 1141 N. WASHINGTON AVE., SCRANTON 9, PA.

E. A. PARKS retired Nov. 1 after serving *Sunset* magazine and Lane Publishing Co., Menlo Park, Calif., for 24 years. At various times, he was promotion manager, merchandising manager, circulation manager and, for more than 18 years, production manager.

RALPH LIMAN has succeeded his father, the late Morris Liman, as president of Chrysler Printing Co., New York. Former foreman MURRAY HERBST now is vice-president.

AXEL LUNDBYE now is consultant in the printing engineering department of the Todd Co., Rochester, N.Y. He formerly was on the staff of Oklahoma A. & M. College.

JACK TOLLEFSON, former St. Louis branch manager for the Ennis (Tex.) Tag & Salesbook Co., has been named manager of the Houston branch.

AMERICAN COLORTYPE CO. has sold its Clifton, N. J., offset division to Eastern Colortype Corp. of New Jersey. The sale will become effective Jan. 1. The new owner will continue operations in the Clifton plant under a long-term lease.

CARL O. JACOBSON has been named Minneapolis branch factory manager for the Howard Flint Ink Co. He has had 15 years' experience in the printing ink industry in the Chicago area.

C. O. Jacobson

K. F. Landegger

KARL F. LANDEGGER, president of the Parsons & Whittemore-Lyddon Organization, New York and London, has been elected chairman of the board of Black-Clawson Co., Middletown, Ohio.

EPES-FITZGERALD PAPER CO., Richmond, Va., has announced an annual award for the Virginia printer who produces the best example of self-advertising. The award is in memory of the late Travis H. Epes, Sr., who founded the company.

FRANK L. WATSON, former manager of the gravure engraving division of Reynolds Metals Co., has formed WATSON GRAVURE SERVICE in Verona, N. J. He specializes in continuous-etched cylinders for packaging, label, vinyl, and textile processing.

THOMAS V. MORRIS has been appointed to the sales staff of Bensing Bros. & Deeney, flexographic printing ink firm. He will cover the Brooklyn and Long Island area.

CHARLES R. FADDEN has been appointed office manager for the new manufacturing and processing plant of Ideal Roller & Manufacturing Co., in Chamblee, Ga.

MICHAEL J. KOSOWAN is the new office manager and assistant to the general manager of Craftsman Line-Up Table Corp., Waltham, Mass.

KLEEN-STIK PRODUCTS, INC., Chicago, has moved all its offices and manufacturing facilities to a newly constructed plant at 7300 W. Wilson Ave.

HUGO LINDBERG, eastern manager of Printing Machinery Co., Cincinnati, a charter member of the Philadelphia Club of Printing House Craftsmen, and a widely known authority on pressroom equipment, died in September after an illness of several months. He was 74.

HARRY L. BEACH has been appointed general manager of the Woods Department of Oxford Paper Co., with headquarters in Rumford, Me. He succeeds Robert R. Drummond, who has been with the company for 33 years and will remain as an advisor.

JOHN POMAZON has joined George F. Motter's Sons, York, Pa., as a service engineer. He formerly was with Babcock Printing Press Corp., Canton, O.

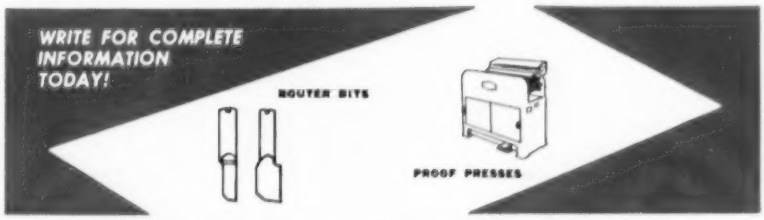
R. HOE & CO., New York, has acquired the plant of the Carolina Saw & Tool Co., High Point, N. C.

DAN J. BLOMBERG has been promoted to product merchandiser in the Printing Products Div. of Minnesota Mining & Mfg. Co., St. Paul.

TOM S. ROWLETT has been transferred to the St. Louis sales office of Brown-Bridge Mills, Inc., Troy, Ohio. M. I. MILLER has taken Mr. Rowlett's place in the Chicago office.

NICHOLAS W. TOZZA, formerly an officer of Wrapture, Inc., has been ap-

The NEW and IMPROVED Wesel Router is built for heavy duty and long life. Special motor eliminates shifting of belts and arm glides smoothly without drag . . . two features that reduce operator fatigue. The Wesel Router is engineered to eliminate most of the maintenance problems encountered with this type of machine.



WESEL MANUFACTURING CO.

1141 N. WASHINGTON AVE., SCRANTON 9, PA.

Nuisance jobs folded fast & cheap!

The FH costs less than a typewriter!

Get a Pitney-Bowes FH Folding Machine to take care of those small-run jobs, and they won't be nuisances—they'll be *profitable*!

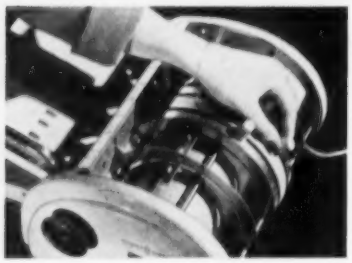
The FH handles them easily—saves interrupting the important jobs your big folder has to do.

The FH costs less than a typewriter. Small, light, it can be carried about—used anywhere in the shop. And it doesn't require skilled operators. Anyone can easily use it. To set up, just move two knobs and it's ready.

Electrically driven, with semi-automatic feed, it can make two folds at once...can double fold 8½ x 11 sheets up to 5,000 per hour. It is even *faster* with automatic feed (optional at small extra cost).

The FH can make eight different folds, and handle papers of various weights and finishes, and in sizes as small as 3 by 3 inches and as large as 8½ by 14 inches. It even folds sheets stapled together.

For a demonstration in your own shop, call your nearest Pitney-Bowes office. Or, send coupon for a free illustrated booklet.



Move two knobs on inch scales to fold widths wanted—and the FH is ready to go!

The larger Model FM, fully automatic, folds up to 19,000 sheets an hour.

PITNEY-BOWES

Folding Machines

Originators of the postage meter . . . Offices in 94 cities

PITNEY-BOWES, INC.
4207 Walnut Street
Stamford, Conn.

Please send free Folding Machine booklet to:

Name _____

Address _____

pointed to the flexographic ink sales and service staff of Bensing Bros. & Deeney. From the company's Philadelphia headquarters, he will work in the New York metropolitan area.

ARTHUR DRESSEL, former president of R. Hoe & Co., has been elected president and director of Kruger Paper Co., New York.

Arthur Dressel

W. A. Friedrich

W. A. FRIEDRICH has been appointed vice-president in charge of sales for the Hamilton Mfg. Co., Two Rivers, Wis. He was with Hamilton prior to 1948, when he became manager of Pacific Western Equipment Co., San Francisco. For the past six years, he was field sales manager for Kewaunee Mfg. Co., Adrian, Mich.

D. D. THIRKFIELD retired Nov. 15 after 32 years with Sorg Paper Co., Middletown, Ohio. Since 1932 he had been a member of Sorg's sales staff covering the Midwest.

HERMANN ZAPF, art director of the Stempel type foundry in Germany, has been elected an honorary member of the Type Directors Club of New York City. He spoke at a recent club meeting and exhibited some of his work.

WILLIAM J. GOW has been appointed to represent Paper Manufacturers Co., Philadelphia, in New York City and New England. He formerly was with Minnesota Mining & Mfg. Co.

WALKER HAMILTON retired Dec. 1 as president of Riegel Paper Corp., New York, after 34 years with the company. He will continue as a director and consultant to the firm. JOHN L. RIEGEL was elected as the new president of the company. He continues as chairman of the board and as the company's chief executive officer.

JOHN J. FISHER, a member of the Sorg Paper Co. sales department for 18 years, now is responsible for the company's direct accounts in the Midwest. Until recently, he was in charge of merchant sales in Sorg's Chicago office.

GEORGE F. MARTIN has been appointed assistant to Nelson S. Knaggs, vice-president in charge of sales for the Hilton-Davis Chemical Co., Cincinnati. Mr. Martin has been with Hilton-Davis for 18 years. Since 1951 he has been with the company's Midwest division as manager of sales to the printing ink industry.

ROBERT W. BODELL has been named to represent the Howard Flint Ink Co. in its East Coast branch in New York City. As superintendent of the *Trenton* (N.J.) *Times* color plant, Mr. Bodell helped pioneer large-scale web offset printing, and he has held supervisory positions in a number of printing plants.

NEW LITERATURE

Those interested in literature described are asked to write direct to the company listed in the item

Producing School Yearbooks

A manual of recommendations for producing school annuals, entitled "Operation Yearbook," has been published as a joint project by the Los Angeles City School District and the Printing Industries Association of Los Angeles.

Contents of the illustrated, hard-bound, 31-page manual include all phases of school yearbook production from making the budget and signing contracts to preparation of final copy for the engraver and typesetter. Directed primarily at school officials in charge of yearbook production, the manual also gives hints on how to save money in producing an annual.

Copies of the manual can be obtained at $1 each from Printing Industries Association, Inc., 1434 W. 12th St., Los Angeles 15.

Glass-Coated Drawsheet Sample

Minnesota Mining & Manufacturing Co. has published a new folder describing its Spherekote drawsheets and including a sample swatch of the material.

The drawsheets, made of a special rubber compound with millions of tiny glass beads embedded in it, are said to resist ink transfer and thereby reducing smudging and double-printing.

The folder and sample can be obtained by writing Dept. 5-301G, Minnesota Mining & Manufacturing Co., 900 Fauquier St., St. Paul 6, Minn.

Materials Handling Facts

The first of a new series of "fact folders" on materials handling equipment has just been published by Towmotor Corp. Designed to help in selecting the right materials handling equipment for every operation, each folder will include information about a specific series of Towmotor fork lift trucks and tractors.

The first folder details the Towmotor 500 Series, giving complete specifications, perfomance data, and lists of accessory equipment. Copies can be secured by writing the company at 1226 E. 152nd St., Cleveland 10.

Photoscreen Printing Materials

A new catalog designed to help the screen process printer in his use of photographic materials has just been issued by Eastman Kodak Co. The catalog lists in detail the Kodak materials available for photoscreen printing and describes the uses of each material.

A four-page section of the book is devoted to the Kodak Ektagraph Process, and a two-page chart shows how photography can be used with any type of artwork to produce the printing stencil. Also

modern all-steel type cabinets for faster, easier, errorless work

Another boost from Hamilton toward higher Composing Room Profits!

Costs go down, profits up, with Hamilton type cabinets. Everything's right at hand — where it's needed — ready for top-speed composition on well lighted working surfaces. Note these typical time and labor saving features of Type Cabinet Model 101 —

Learn the whole story about Hamilton's cost cutting, profit boosting printing equipment. See your Hamilton dealer.

HAMILTON MANUFACTURING COMPANY
Two Rivers, Wisconsin

Hamilton
PRINTERS EQUIPMENT

"Here comes another font of that elegant ATF Onyx"

It's not easy to exaggerate the quality of any ATF type face. They're *all* expertly designed and precision cast.

ATF type design is the combined work of the best talent available in this country, and, more recently, the best European designers. One stipulation we impose on these creative experts: the face must be practical as well as distinctive.

Then ATF's precision matrix *engraving* rather than mere stamping of matrices, special metal formulas and high-pressure, high-temperature casting take over to assure durable, accurate, uniform type bodies and faces.

No wonder 85% of the foundry type used—most of the faces America has adopted as standard—comes from ATF. Add the fast delivery our new dealer network assures and you, too, will insist on ATF Foundry Type.

Write your nearest ATF Type Dealer for the latest up-to-date catalogs of 173 type faces and 1,246 ornaments & type accessories. T.4.5

LOOK FOR THIS SIGN

AUTHORIZED ATF TYPE DEALER

Type faces shown are: Onyx; Bulmer; Franklin Gothic Wide.

Authorized ATF Type Dealers

EASTERN DEALERS:

BALTIMORE
George R. Keller, Inc.
BOSTON
Wild and Stevens, Inc.
BUFFALO
Buffalo Printers' Supply Company
NEW YORK
New York ATF Type Distributors, Inc.
NEWARK
Globe Printers' Supply, Inc.
PHILADELPHIA
Foster ATF Type Sales Company
PITTSBURGH
U. S. Printing Supply Company
SYRACUSE
The Alling & Cory Company
WASHINGTON, D. C.
George R. Keller, Inc.

MIDWESTERN DEALERS:

CHICAGO
Graphic Arts Equipment Company
CINCINNATI
Cincinnati ATF Type Sales, Inc.
CLEVELAND
Cleveland ATF Type Sales Company
DES MOINES
Capitol Printing Ink Company
DETROIT
Turner Printing Machinery, Inc.
GRAND RAPIDS
The Central Trade Plant of Grand Rapids
INDIANAPOLIS
Modern Photo Offset Supply, Inc.
KANSAS CITY
Western Typesetting Company, Inc.
MILWAUKEE
Milwaukee Printers' Roller Company
MINNEAPOLIS
Perfection Type, Inc.
ST. LOUIS
Worwick Typographers, Inc.

SOUTHERN DEALERS:

ATLANTA
Southeastern Printers' Supply Company
BIRMINGHAM
Dixie Type and Supply Company
CHARLOTTE
George R. Keller Company
DALLAS
Robert W. Grubbe Company
JACKSON, MISS.
Standard Mat Service
LITTLE ROCK
Roach Printers' Supply Company
MIAMI
Printing and Offset Supply
SAN ANTONIO
Texas Type Foundry

ROCKY MOUNTAIN DEALERS:

A. E. HEINSOHN
Offices in: Denver, Phoenix, Salt Lake City

WEST COAST DEALERS:

LOS ANGELES
The Steward Company
PORTLAND
A. D. Coy Company, Inc.
SAN FRANCISCO
Griffin Brothers, Inc.
SEATTLE
A. D. Coy Company, Inc.

CANADIAN DEALERS:

SEARS LIMITED
Offices in: Toronto, Montreal, Vancouver, Winnipeg

Look for this sign

AUTHORIZED ATF TYPE DEALER

Type faces shown are: Bodoni Bold; Franklin Wide; Spartan Med., Heavy, Black, Black Condensed

fully described are the services Kodak offers the screen printer in solving technical problems.

The 16-page catalog can be obtained from any Kodak graphic arts dealer or by writing Eastman Kodak Co., Graphic Reproduction Sales Div., 343 State St., Rochester 4, N.Y.

Linotype Gothic Specimens

Available from Mergenthaler Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y., is a new specimen booklet showing two condensed series, Gothics No. 17 with 19 and No. 18 with 20, in four weights and both the light and bold two-letter matrix combinations.

Heavier forms are paired with lighter letters on the same matrices. Nos. 17 and 19 range from 6 to 36 point, Nos. 18 and 20 from 6 to 24 point.

New Ideas on Bristol Uses

Linton Brothers & Co. has released the third in its series of "Ideas on Bristol." The new specimens show various bristols used for direct mail pieces, covers, merchandise tags, and die-cut pieces, produced by both letterpress and offset.

Copies of Kit No. 3 as well as the two preceding kits can be obtained from paper merchants who stock Linton Bristols or by writing direct to the company at Fitchburg, Mass.

Products from West Germany

A listing of machines and products made in West Germany for the printing and paper industries is now available in a 250-page booklet. The listings are arranged to make it easy to locate products and to find what kinds are made by which manufacturers. Copies of the 1955 Export Yearbook are available at 25 cents each from the German-American Trade Promotion Office, 350 Fifth Ave., New York 1.

Battery-Powered pH Meter

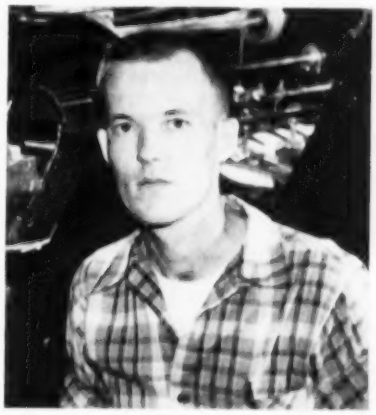
Photovolt Corp. has issued a new bulletin, No. 118, describing its battery-powered pH meter for quick checking of offset fountain solutions. The four-page bulletin gives complete specifications and operating features of the meter, Model 125. Also listed and pictured are accessories such as a carrying frame and an a.c. power supply unit. A complete list of prices for the meter, accessories, and replacement parts is included.

Copies of the bulletin can be obtained by writing the company at 95 Madison Ave., New York 16.

Tribute to Hawaiian Islands

The latest in a series of booklets devoted to America's natural and industrial wonders has been published by the Sorg Paper Co., Middletown, Ohio. The title of the current issue is "Hawaii, America's Paradise of the Pacific," and it covers the history and development of the Hawaiian Islands. Each of the five major islands is dealt with separately, and the book is illustrated with many maps and scenic views.

Never Underestimate the Power of the Pressroom!



"3M Plates' uniform thickness . . . a real time-saver,"

says Fred H. Williams, Jr., Commercial Printing and Letter Service, Dallas, Texas.

Time means money, and in a Dallas pressroom, Fred Williams, Jr. finds 3M Brand Photo Offset Plates save time because they are much easier to operate than zinc plates. Fred says, "3M Plates' uniformity in thickness makes it unnecessary to check each plate put on the cylinder . . . a real time-saver!" When it comes to quality, Fred states, "The 3M Plate reproduces a sharper halftone dot and runs cleaner than a zinc plate!" For top-notch quality, and to save time, do as Fred Williams does—make your next run on a super-smooth, grainless 3M Brand Photo Offset Plate.

Take the Guesswork out of Presswork

"3M" BRAND Photo Offset Plates

• • • MAIL THIS COUPON TODAY • • •

FREE!

MINNESOTA MINING & MFG. CO.,
DEPT. HJ-125AL, ST. PAUL 6, MINN.

Please send me, without cost or obligation, a valuable Pressman's Dampener Gauge and Pressman's Guide giving complete information on the use of 3M Plates.

We have _____ presses. Position _____

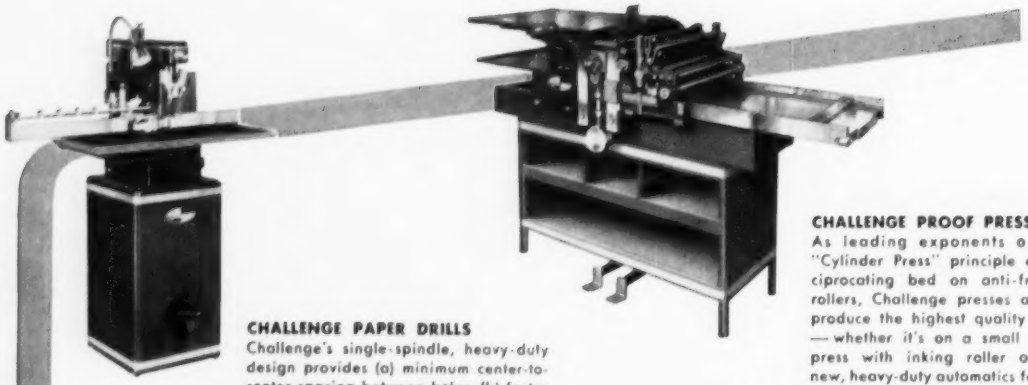
Name _____

Company _____

Address _____

City _____ State _____

"3M" is a registered trademark of Minnesota Mining & Mfg. Co., St. Paul 6, Minn. General Export: 99 Park Ave., New York 16, N. Y. In Canada: London, Ont.



CHALLENGE PAPER DRILLS
Challenge's single-spindle, heavy-duty design provides (a) minimum center-to-center spacing between holes; (b) faster setup; (c) plus the accuracy and economy of a single hollow drill — in a complete range of styles, from the hand operated bench model to Challenge hydraulically powered drills.

CHALLENGE PROOF PRESSES
As leading exponents of the "Cylinder Press" principle of reciprocating bed on anti-friction rollers, Challenge presses always produce the highest quality work — whether it's on a small proof press with inking roller or the new, heavy-duty automatics featuring automatic grippers, automatic trip, and automatic inking.

Challenge

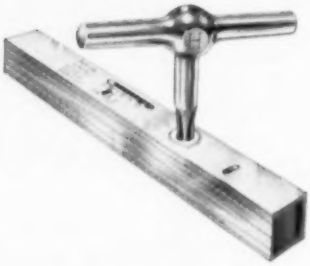
in all the world

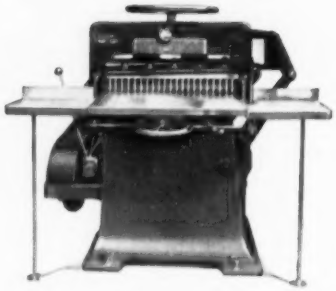
- **NO FINER PRINTING EQUIPMENT**
- **NO FASTER SERVICE**

LABOR-SAVING IRON FURNITURE
Full line of standard sizes. Also, made-to-order.

IMPOSING SURFACES
Precision ground semi-steel. With or without rabbet.

HI-SPEED QUOIN
SAVES up to 80% lock-up time. Self-contained . . . direct expansion . . . no reglets . . . no work-ups.





CHALLENGE PAPER CUTTERS
For over half a century, Challenge has set the standard of excellence — in both hand operated and power-operated paper cutters. All 11 styles and 7 sizes are machined to close tolerances and embody features designed for fast, safe, easy operation.

795

Dealers in all Principal Cities.

Challenge
® TRADE MARK

THE CHALLENGE MACHINERY CO.
Over 50 years in Service of The Graphic Arts Office,
Factories and Show Rooms: Grand Haven, Michigan

6

SIX DIFFERENT KINDS OF LISTINGS ARE INCLUDED IN THIS DIRECTORY OF MACHINERY, EQUIPMENT, SUPPLIES, AND PAPER TO BE USED BY THE GRAPHIC ARTS INDUSTRY

1

Manufacturers of machinery, equipment, and supplies are listed alphabetically by products. See next page for complete explanation of how to use simplified classification system.

2

All printing papers are classified alphabetically by kinds of paper. Various makers of each kind are shown.

3

Popular brand names of paper are listed alphabetically, with makers of each brand shown.

4

A list of advertisers and other important firms shows the addresses of the branch offices, to the nearest of which readers will wish to direct their inquiries and orders.

5

A representative group of leading printing machinery dealers is listed alphabetically.

6

Booklets and other educational material offered by advertisers free to the trade are classified and described. Mailing card is included. This is another I-P service for you.

THE INLAND PRINTER'S *Annual Directory* of EQUIPMENT and SUPPLIES

While compilers of this directory have taken every precaution to insure accuracy, guarantee cannot be made against the possibility of a change, error, or omission in the various listings. Every effort has been made to secure authentic information direct from supply firms, equipment manufacturers, and the paper mills.

A

ADDRESSING and MAILING MACHINES

1 Addressing
2 Mailing
3 Metered Mail Machines
4 Stamp Affixes and Envelope Sealing Mach.
5 Strip Printing
6 Wrapper Printing and Wrapping

1 2 3 4 5 6
ADDRESSING Machine & Equipment Co., 326 Broadway, New York 7, N.Y.
1 2 3
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbit Rd., Cleveland 17, Ohio
1 5 6
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
6
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
6
★CHESHIRE Mailing Machines, 1644 N. Honore St., Chicago 22, Ill.
2 4a
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester, N.Y.
3 4
DICK Mailer, The, 137 W. Tupper St., Buffalo 1, N.Y.
2
ELLIOT Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
1 6
PAYYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
2
★PITNEY Bowes, Inc., 757 Pacific St., Stamford, Conn.
2 3 4
POLLARD-Alling Mfg. Co., 220 W. 19th St., New York, N.Y.
1 5 6
STANDARD Duplicating Machines Corp., 1935 Revere Beach Pkwy., Everett 49, Mass.
4
WING'S, Chauncey, Sons, 78 Pierce St., Greenfield, Mass.
2

ADHESIVES

1 Bookbinders' Glue
2 Cut Mounting Cement
3 Envelope Gums
4 Liquid Solders
5 Mailing Room Paste
6 Makeready Paste
7 Mounting, Cardboard
8 Padding Cement
9 Rubber Cement
10 Splicing Paste
11 Tape Cement
12 Plastic Adhesives

1 2 3 4 5 6 7 8 9 10 11 12
ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
1 5 7 8 9
★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
6 8
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16
1 2 6 8 11 12
ARABOL Mfg. Co., 110 E. 42nd St., New York 17, N.Y.
1 2 3 5 6 7 8 10 12
ARMOUR & Co., 1355 W. 31st St., Chicago 9, Ill.
1 8
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3
9
★AVERY Paper Co., 250 Chester St., Painesville, Ohio 12
BINGHAM Brothers, Inc., 406 Pearl St., New York
1 5 6 8 10
BOOTH, E. A., Rubber Co., 2855 Scarborough Rd., Cleveland Heights 18, Ohio
2 9
BRADLEY, Milton Co., 74 Park St., Springfield, Mass.
5
BROWN, Lindsay, Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
7
BURRAGE Glue Co., 15 Vandewater St., New York 38
1 8
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Cal.
8 9
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
8
CLARK Stek-O Corp., 1631 Dewey Ave., Rochester 15, N.Y.
1 5 6 7 10
COMMERCIAL Paste Co., Columbus 8, Ohio
1 2 3 5 6 8 9 10
CRAFTINT Mfg. Co., 1615 Collamer St., Cleveland 13, Ohio
9
DE VERE Co., 2000 Clark St., Racine, Wis.
8
★ECONO Products Inc., 132 Humboldt St., Rochester 10, N.Y.
9

How to Use This Directory

● Items in this directory have, we believe, been listed in as comprehensive a manner as possible. Items have been cross-referenced. Certain related items have been grouped and sub-indexed by key numbers to facilitate finding, as, for example, "Adhesives." Under each firm name are key numbers showing the particular types of adhesives manufactured. These key numbers are spaced so they are aligned directly beneath the line of numbers immediately below the sub-classifications. Find the key number of the adhesive desired in the top line, trace vertically down the column with a straight-edge, and all the firms having that key number listed will easily be found.

1 2 3 4 5 6 7 8 9 10 11 12
FINDLEY, F. G., Co., 3033 W. Pemberton Ave., Milwaukee 45, Wis.
1 3 5 6 7 10
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
8 10
FULLER, H. B., Co., 255 Eagle St., St. Paul 2, Minn.
1 3 5 6 7 8 9 10
GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
1 6 7
GREEN'S Paste Works, Box 7, Salina Station, Syracuse 8, N.Y.
9
HABERULE Company, The, P.O. Box 737, Norwalk, Conn.
1 5 6 7 8 9
HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N.Y.
1 6 8
HOYT, Arthur S., Co., Inc., 175 Fifth Ave., New York 10, N.Y.
1 5 6 7 10
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill.
12
LAYTON Elastic Glue Co., 1770 Canalport, Chicago 16, Ill.
1 8
LEE Hardware Co., 250 N. Santa Fe Ave., Salina, Kan.
8
LE PAGE'S, Inc., Essex Ave., Gloucester, Mass.
1 3 8 9
LOX Mfg. Co., 310 E. 31st St., Kansas City 3, Mo.
2 4 11 12
LUTHER, J. P., Co., 173-81 So. Pearl St., Berlin, Wis.
8 12
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N.Y.
1 3 5 6 7 10 11
MATTHEWS, Jas. H., & Co., 3950 Forbes St., Pittsburgh 13, Pa.
9
MAY Chemical Works, 902 Larrabee St., Chicago 10, Ill.
7 8 11
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill.
9
MERRITT Products Co., 1547 E. 18th St., Cleveland 14, Ohio
8
METZGER, Alfred E., 30 Irving Pl., New York 3, N.Y.
9
MILWAUKEE Printers Roller Co., 422 E. Fourth St., Milwaukee 4, Wis.
8
MONET Company, The, 43 South Ave., Fanwood, N. J.
9
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
4
NATIONAL Adhesives, Div., of National Starch Products, 270 Madison Ave., New York 16, N.Y.
1 2 3 5 6 7 8 9 10 12
NATIONAL Roller Co., 307 Pearl St., New York 38
6
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
OSGOOD-Globe Corp., 33 Purchase St., Boston 10, Mass.
8
PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
1 2 3 4 5 6 7 8 9 10 11 12
PECK, James I., 47 High St., West Orange, N. J.
6 8 12
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
1 3 7 8 9
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N.Y.
12
SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
15 8
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
2 6 8 9
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
1 2 3 6 8 9

1 2 3 4 5 6 7 8 9 10 11 12
S S Artist Materials Co., 712 N. State St., Chicago 10, Ill.
8 9 11
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y.
7
STOKES, A., Co., Hudson, Ohio
8 9
TAYLOR Glue Co., Concord, N. H.
8
TOPFLIGHT Tape Company, 160 E. 9th Ave. York, Pa.
4
TRI-Tix, Inc., 3727 N. Palmer St., Milwaukee 12, Wis.
8
TWIN CITY Printers Roller Co., 505 S. 3rd St., Minneapolis 15, Minn.
8
UNION Rubber & Asbestos Co., P. O. Box 1040, Trenton 6, N. J.
9
UNITED States Rubber Co., 1230 Avenue of the Americas, New York 20, N.Y.
9
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia 7, Pa.
9
WILLAMSON & CO., Passaic Ave., Caldwell, N. J.
9
WILLIAMSON Adhesives, Inc., 8220 Kimball Ave., Skokie, Ill.
1 3 5 7 9 12
★WILSOLITE Corp., 1827 Niagara St., Buffalo, N.Y.
9
WINN & Goodman, 440 Sansome St., San Francisco
8

ADHESIVE TAPE, CUT-MOUNTING

BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★IDEAL Roller & Mfg. Company, 2512 W. 24th Street, Chicago 8, Illinois
INDUSTRIAL Tape Corp., New Brunswick, N. J.
★IRWIN Mfg. Co., Garland, Pa.
★MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
MYSTIK Tape Division, Chicago Show Prtg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
PECK, James I., 47 High St., W. Orange, N. J.
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
S S Artist Materials Co., 712 N. State St., Chicago 10, Ill.

ADHESIVE TAPE, MASKING (for friskets, etc.)

ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
★AVERY Paper Co., 250 Chester St., Painesville, Ohio.
GUMMED Tape & Devices Co., 1069 Rogers Ave., Brooklyn, N.Y.
INDUSTRIAL Tape Corp., New Brunswick, N. J.
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill.
★MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
MYSTIK Tape Division, Chicago Show Prtg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
SERVWELL Products Co., 6520 Euclid Ave., Cleveland 3, Ohio
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

ADHESIVE TAPE, PRESSURE-SENSITIVE

ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
★AVERY Paper Co., 250 Chester St., Painesville, Ohio.
BAUER & Black, Div. of the Kendall Co., 2500 S. Dearborn St., Chicago 16, Ill.
BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
EVER READY Label Corp., Cortlandt St., Belleville 9, N. J.
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 26, N.Y.
INDUSTRIAL Tape Corp., New Brunswick, N. J.
★IRWIN Mfg. Co. Inc., Garland, Pa.
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill.
★MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
MYSTIK Tape Division, Chicago Show Prtg. Co., Inc., 2635 N. Kildare Ave., Chicago, Ill.
PHILLIPS & Jacobs 622 Race St., Philadelphia, Pa.
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
WILLIAMSON Adhesives, Inc., 8220 Kimball Ave., Skokie, Ill.

AGITATORS, INK

★GEGENHEIMER, William, 80 Roebling St., Brooklyn
★HARRIS-Seybold, 4510 East 71st St., Cleveland, Ohio
MARGACH Mfg. Co., 82 Beekman St., New York 7, N.Y.
★ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
ROSS, Charles & Son Co., 148-156 Classon Ave., Brooklyn, N.Y.

AIRBRUSHES

CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
DeVILBISS Company, 300 Phillips Ave., Toledo 1, Ohio
OLSEN-Mark Corp., 124 White St., New York 13, N.Y.
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.

AIR, COMPRESSED, CLEANING AND DRYING UNIT

LOGAN Engineering Co., 4901 Lawrence Ave., Chicago 30, Ill.
OAKITE Products, Inc., 32 Rector St., New York 6, N.Y.

AIR COMPRESSORS AND PUMPS

ALLIS-Chalmers Mfg. Co., 1127 S. 70th St., Milwaukee, Wis.
BECKFIELD Rotary Vacuum Blower Co., 72 First Ave., Pittsburgh 22, Pa.
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12
DeVILBISS Company, 300 Phillips Ave., Toledo 1
★DEXTER Folder Co., Pearl River, N.Y.
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
★GAST Mfg. Corp., 123 Hinckley St., Benton Harbor, Mich.
HOLLINGSWORTH, Wm. Machine Co., 227 N. Holiday St., Baltimore 2, Md.
KELLOGG Div., American Brake Shoe Co., 97 Humboldt St., Rochester 9, N.Y.
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LEIMAN Brothers, 271 Christie St., Newark 8, N. J.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
SPRAYOMATIC Products Co., 750 Main St., Milford, Ohio
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.

AIR AND PAPER CONDITIONERS

1 Air Conditioning Equipment
2 De-Humidifiers
3 Humidifiers
4 Paper Conditioners

1 2 3 4
ABBEON Supply Co., 179-15 Jamaica Ave., Jamaica 3, N.Y.
1 2 3 4
ADVANCE Mfg. Co., 350 N. 26th St., Louisville 12
1 4
AIRTEMP Division, Chrysler Corp., 1600 Webster St., Dayton, Ohio
1
ANETSBERGER Bros., Anets Dr., Northbrook, Illinois
1 3 4
AQUA-SORB Company, 21 S. 16th St., East Orange, N. J.
2
ARMSTRONG Machine Works, 901 Maple St., Three Rivers, Mich.
3
★BAHNSON Company, 1001 S. Marshall St., Winston-Salem 2, N. C.
1 3
BRISTOL Co., Waterbury, Conn.
1
BUFFALO Forge Co., 490 Broadway, Buffalo, N.Y.
1 3 4
CARRIER CORP., 300 S. Geddes St., Syracuse 1, N.Y.
1 2 3
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
FLINT, G. C., Eng. Service, 842 Gunderson Ave., Oak Park, Ill.
4
GENERAL Electric Co., 1 River Road, Schenectady 5
1
MAID-O-Mist, Inc., 3217 N. Pulaski Road, Chicago 41, Ill.
3
MERIX Chemical Co., 1021 E. 55th St., Chicago 15
2
MURRAY, D. J., Mfg. Co., 1002-1024 Third St., Wausau, Wis.
3
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
1 3
PARKS-CRAMER Company, P. O. Box 444, Fitchburg, Mass.
1 3
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
1 2 3 4
R. I. HUMIDIFIER & Vent Co., 99 Chauncy St., Boston 11, Mass.
1 3
1 2 3 4
SKILBECK Mfg. Co., 1612 60th St., Kenosha, Wis.
3
SOUTHWORTH Machine Co., 30 Warren Ave., Portland 5, Me.
3 4
STANDARD Engineering Works, 289 Roosevelt Ave., Pawtucket, R. I.
3
TRANE Company, 2d and Cameron Ave., La Crosse, Wis.
1 2 3 4
★WALTON Laboratories Inc., 1186 Grove St., Irvington, N. J.
2 3
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
1 2 3
WILSEA Works, 371 Saint Paul St., Rochester 5, N.Y.
4

AIR FREIGHT

★AMERICAN Airlines, 100 Park Avenue, New York 17, N.Y.
NORTHWEST Air Lines, 1885 University Ave., St. Paul, Minn.
UNITED Air Lines, 5959 S. Cicero Ave., Chicago 38, Ill.

AIR SEPARATORS

★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago, Ill.

ALBUMIN

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
LITHO Chemical & Supply Co., 46 Harriet Pl., Lynbrook, N.Y.
MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
MOUNT Vernon Presses, Mt. Vernon, N.Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
ROBERTS & Porter, Inc., 555 W. Adams, Chicago, Ill.
★SIEBOLD, J. H. & G. B., Inc., 47 Watts St., New York 13, N.Y.
SENEFELDER Co., 32 Greene St., New York 13, N.Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N.Y.

ALBUMIN PLATE BAKING INFRA RED UNIT

FOSTORIA Pressed Steel Corp., Fostoria, Ohio

ALBUMIN SCALES, OFFSET-LITHO

LITHO Chemical & Supply Co., 46 Harriet Pl., Lynbrook, N.Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
METZGER, Alfred E., 30 Irving Place, New York 3
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
PITMAN, Harold M., Co., 51st Ave. & 33d St., Chicago 50, Ill.
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR-Valentine Co., 611 W. 129th St., New York 27, N.Y.

ALPHABETS, DISPLAY

CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
RULEX Type Corp., 127 W. Harrison, Chicago, Ill.

ANTI-OFFSET EQUIPMENT and SUPPLIES

1 Spray Guns
2 Spray (Dry or Liquid)
3 Spray, Excess, Exhaust

1 2 3
★AMERICAN Type Founders Sales Corp., 200 Elmora, Ave., Elizabeth 8, N. J.
1 2
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16
2
BINKS Mfg. Co., 3114 W. Carroll Ave., Chicago 12
1 2
CALIFORNIA Ink Co. Inc., 545 Sansome St., San Francisco, Calif.
2
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
CRAIG Corporation, 143 W. 20th St., New York 11
1 2
DE VERE Company, 2000 Clark St., Racine, Wis.
2
FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N.Y.
2
★H & H Products, 1930 S. State St., Chicago 16, Ill.
1 2
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
2
HOWARD Flint Ink Co., 2546 Clark Ave., Detroit 9, Mich.
2
1 2 3
MANHATTAN Paste & Glue Co., 425 Greenpoint Ave., Brooklyn 22, N.Y.
2
NATIONAL Adhesives, Div. of National Starch Products, 270 Madison Ave., New York 16, N.Y.
2
NO OFF SET Co., 4012 Elfin, Louisville 9, Ky.
2
★OXY-DRY Sprayer Corp., 320 S. Marshfield Ave., Chicago, Illinois
1 2
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
1 2 3
PAISLEY Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
2
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Illinois
2
SPRAYOMATIC Products Co., 750 Main St., Milford, Ohio
1
SPRAY Sales, 2540 S. Damen Ave., Chicago 8, Ill.
1 2
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
3
WILBAR Sales & Engineering Co., 549 W. Washington St., Chicago 6, Ill.
1 2
ZAPON Div. Atlas Powder Co., Stamford, Conn.
2

ANILIN PRINTING CONTINUOUS DESIGN ROLLERS

(see Continuous Design Rollers)

ANODES, COPPER

AMERICAN Brass Co., Waterbury 20, Conn.
BELMONT Smelting & Ref. Co., 330 Belmont Ave., Brooklyn 7, N.Y.
EMPIRE Metal Company, 820 E. Water St., Syracuse 3, N.Y.
FEDERATED Metals Div., American Smelting & Refining Co., 120 Broadway, New York 15, N.Y.
HANSON-Van Winkle-Munning, Matawan, N. J.
METALLURGICAL Products Co., 35th & Moore Sts., Philadelphia, Pa.
REVERE Copper & Brass Inc., 230 Park Ave., New York, N.Y.

ANTI-WORKUP DEVICES

★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Blvd., Chicago 5, Ill.
L & W SERVICE Co., 1 Waterman Ave., East Providence 14, R.I.

APRONS

AMES Bag Company, 7009 Euclid Ave., Cleveland, Ohio
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
HANSON-Van Winkle-Munning Co., Matawan, N. J.
SCOTT, Asa D., Industries, 5447 N. Wayne Ave., Chicago 40, Ill.

ARC LAMPS

ATLAS Electric Devices Co., 361 W. Superior St., Chicago 10, Ill.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
GELB, Joseph Co., 52 Arlington St., Newark 2, N. J.
★HARRIS-Seybold Co., 4510 East 71st St., Cleveland, Ohio
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia 30, Pa.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★NUARC Co., Inc., 824 S. Western Ave., Chicago 12, Ill.
PEASE, The C. F. Co., 2601 W. Irving Park Rd., Chicago 18, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
PICTORIAL Machinery, Ltd., Crawley, Sussex, England
POLYGRAPHIC Co. of America, The, 310 E. 45th St., New York 17, N.Y.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RYAN, E. G., Company, 153 W. Huron St., Chicago 5, Ill.
STRONG Electric Corp., 87 City Park Ave., Toledo 2
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7

ARTISTS MATERIALS

1 Acetate Sheeting
2 Colors
3 Crayons
4 Drawing Boards
5 Drawing Instruments
6 Frisket Paper

1 2 3 4 5 6
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3, Ohio
6
★AVERY Paper Company, 250 Chester St., Painesville, Ohio
6

1 2 3 4 5 6
BAKELITE Corp., 300 Madison Ave., New York 17,
1
BIENFANG Paper Co., Metuchen, N. J.
BINNEY & Smith Co., 41 E. 42nd St., New York 17, N.Y.
2 3
BRADLEY, Milton, Co., 74 Park St., Springfield, Mass.
3
CELANESE Plastics Corp., 180 Madison Ave., New York 16, N.Y.
1
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
1 2 3 6
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
1 2
HERCULES Powder Co., Inc., 931 Market St., Wilmington, Del.
1
★IRWIN Mfg. Co. Inc., Garland, Pa.
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill.
6
METZGER, Alfred E., 30 Irving Place, New York 3
1 3
MONSANTO Chemical Co., Plastics Div., 600 Monsanto Ave., Springfield 2, Mass.
1
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Pkwy., Chicago 14, Ill.
2 4 5
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
1 6
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
3
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
3
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N.Y.
1 2 3
S S Artist Materials Co., 712 N. State St., Chicago 10, Ill.
1 2 3 4 5 6
THOMPSON Cabinet Co., Box 286, Ludington, Mich.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.
3 4 5

ASSEMBLING EQUIPMENT
(see Collating and Gathering Equipment)

B

BACKERS, ROLLER
BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
CRAWLEY Book Machinery Co., 328 Saturah St., Newport, Ky.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
STANDARD Machinery Co., The, Mystic, Conn.

BACKING PANS AND STANDS, ELECTROTYPERS
★HOE, R., & Co., 910 E. 138th St., New York 54, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BAG-MAKING MACHINES and SUPPLIES
AMES Bag Company, 7009 Euclid Ave., Cleveland, Ohio
AMSCO Packaging Machinery Co., 3131 48th Ave., Long Island City 1, N.Y.
HEINRICH, H. H., Inc., 111 Eighth Ave., New York 11, New York
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
NAGEL-RYAN Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
SMITH & Winchester Mfg. Co., South Windham, Conn.
STAUDE, E. G., Div., the Sperry Corp., 2675 University Ave., St. Paul 4, Minn.
STOKES & Smith Co., Frankford, Philadelphia 24, Pa.
WALDRON, John, Corp., New Brunswick, N. J.
WEBER, H. O., Co., Inc., Kiel, Wis.

BALERS, WASTE PAPER
AMERICAN Baler Co., 52 Ohio St., Bellevue, Ohio
BUSINESS Man's Paper Press Co., Wayland, Mich.
ECONOMY Baler Co., Ann Arbor, Mich.
LOGEMANN Bros. Co., 3186 W. Burleigh St., Milwaukee 10, Wis.

BANDING AND BUNDLING PRESSES
ACME Steel Company, 2840 Archer Ave., Chicago 8, Ill.
ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.
BERRY Machine Company, 716 N. First St., St. Louis
BUNN, B. H., Co., 7604 S. Yale Ave., Chicago 20, Ill.
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kans.
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
PAPER Converting Machinery Co., 601 Harvey St., Green Bay, Wis.

BEARERS, ELECTROTYPE
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N.Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

BEARINGS, BALL, ROLLER, SLEEVE TYPE
BEARINGS Industry Co., The, 311 W. 56th St., New York 19, N.Y.
BOUND Brook Oil-less Bearing Co., Lincoln Blvd., Bound Brook, N. J.
EMPIRE Metal Company, 820 E. Water St., Syracuse 3, N.Y.
HYATT Bearings Div. of General Motors Corp., 427 Middlesex St., Harrison, N. J.
JOHNSON Bronze Co., 475 S. Mill St., Newcastle, Pa.
LINK-BELT Co., 301 W. Pershing, Chicago
MINIATURE Precision Bearings, Inc., Kingsbury St., Keene, N. H.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
SKF INDUSTRIES, Inc., Front St. and Erie Ave., Philadelphia 32, Pa.
TIMKEN Roller Bearing Co., The, 1835 Dueber Ave., S.W., Canton 6, Ohio
TORRINGTON Co., The, Bantam Bearings Div., 3702 W. Sample St., South Bend 21, Ind.

BELLOWS, CAMERA
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit
MILLER-TROJAN Company, 1083 W. Main St., Troy, Ohio
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
UNITED Camera Company, 1515 Belmont Ave., Chicago 13, Ill.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

BELT AND TAPE LACING
CLIPPER Belt Lacer Co., Inc., 974 Front Ave., N.W., Grand Rapids 2, Mich.
RANIVILLE, F., Co., 241 Pearl St., N.W., Grand Rapids, Mich.
TON-TEX Corporation, 247 Pearl St., N.W., Grand Rapids 2, Mich.

BELTS, BELTING AND TAPE
1 Belt Dressing
2 Cord Rubber (Slug Cast.)
3 Fabricated
4 Leather
5 Mechanical
6 Tape, Feeder, Folder and Delivery
7 Vee

1 2 3 4 5 6 7
ARBEKA Webbing Company, 1151 Roosevelt Ave., Pawtucket, R. I.
3 6
BEALL, Jack, Vertical Service, 641 S. Dearborn St., Chicago 5, Ill.
3 4 5 7
BELTRACTION Co., 1813 W. Winona St., Chicago 40, Ill.
1
BROWN, Arthur S., Mfg. Co., Tilton, N. H.
3 6
CORPAK Company, The, 70 Argyle Ave., New Rochelle, N.Y. 4 5 6
DAVEY Company, 164 Laidlaw Ave., Jersey City 8
1
★DAYTON Rubber Mfg. Co., 2380 W. Riverview Ave., Dayton 1, Ohio 5 7
GILMER, L. H., Co., Div. United States Rubber Co., Tacony, Philadelphia 35, Pa.
2 5 7
GOODRICH, B. F., Co., 434 S. Main St., Akron 18
1 2 7
HOPE Webbing Co., Pawtucket, R. I.
3 6
LINK-BELT Company, 301 W. Pershing, Chicago, Ill.
5
★LINOTYPE Parts Company, 2 South Main Street, South Hackensack, N. J.
2 4 7
MANHATTAN Rubber Mfg. Div. of Raybestos-Manhattan, Inc., Passaic, N. J.
2 5
PECK, James I., 47 High St., West Orange, N. J.
1
RANIVILLE, F., Co., 241 Pearl St., Grand Rapids 2
1 3 4 5 6 7
RAYBESTOS-Manhattan, Inc., 61 Willett St., Passaic, N. J.
2 3 5 7
RHOADS, J. E., & Sons, 2100 W. 11th St., Philadelphia 6, Pa.
1 4 6
ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.
1 2 7
1 2 3 4 5 6 7
RUSSELL Mfg. Co., East Main St., Middletown, Conn.
1 3 6
TON-TEX Corp., 247 Pearl St., N.W., Grand Rapids
1 6 7
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.
1 2 4 7
UNITED States Rubber Co., 1230 Sixth Avenue, New York 20, N.Y.
2 3 5 6 7
VICTOR Balata & Textile Belting Co., 25th St., Easton, Pa. 3 6
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa. 3

BENDERS AND CUTTERS, STEEL RULE
(see Rule, Steel, Benders and Cutters)

BENDING MACHINE, PLASTIC PLATES
ACME Winter Corp., 1559 Niagara St., Buffalo 13.
★LAKE Erie Eng Co., Riverview & Woodward Ave., Buffalo 17, N.Y.
STEREOTEX Machinery Co., Box 31, Westport, Conn.

BENDING MACHINES, PLATE
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
S. & W. Machine Co., 414 E. Pearl St., Cincinnati 2.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BEVELING MACHINES, PLATE
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
BRIDGEPORT Engravers Supply Co., 451 Atlantic Ave., Boston, Mass.
EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N.Y.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
LOYD, John, Co., 87 Walker St., New York 13, N.Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
ROYLE, John, & Sons, 10 Essex St., Paterson 3, N. J.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.

BILLING MACHINES AND SUPPLIES
INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 22, N.Y.
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N.Y.
UNDERWOOD Corporation, 1 Park Ave., New York

BINDERS FOR NEWSPAPERS
ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago

BINDING MECHANICAL, MACHINERY
BURKHARDT Company, 545 W. Larned St., Detroit 26, Mich.
FLEX-O-COIL Products Co., 235 W. 27th St., Los Angeles, Calif.
GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
★NYGREN-DAHLEY Co., 1422 W. Altgeld St., Chicago, Ill.
PLASTIC Binding Corp., 732 Sherman St., Chicago 5
SLOVES Mechanical Binding Corp., 601 W. 26th St., New York, N.Y.
SPIRAL Binding Company, 406 W. 31st St., New York 1, N.Y.
SWING-O-RING Inc., 314 Dean St., Brooklyn, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BLACKLEADING MACHINES, ELECTROTYPERS
★HOE, R., & Co., Inc., 910 E. 138th St., New York

BLADES
1 Bookbinders Shears and Blades
2 Doctor, Gravure
3 Film and Print Trimmers and Blades
4 Folder
5 Fountain
6 Perforator

1 2 3 4 5 6
★ACCURATE Steel Rule Die Mfg. Co., 22 W. 21st St., New York 10, N.Y.
6
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y. 6
BORG-Warner Corp., Atkins Saw Division, 402 S. Illinois St., Indianapolis 9, Ind.
2
BRADLEY, Milton Co., 74 Park St., Springfield, Mass.
3

1 2 3 4 5 6
CHAPMAN Knives and Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
1
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
COES Knife Co., 72 Coes St., Worcester 3, Mass.
1 2 4 5 6
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
2 5 6
DURBROW & Hearne, 12 Wooster St., New York 13
1
FREMONT Tools & Die Co., 432 N. Wood St., Fremont, Ohio
1
HELMOLD, Jr. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.
6
HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
1
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
1 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York
2 4 5
LOYD, John, Co., 87 Walker St., New York 13, N.Y.
1 2 4 5 6
MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.
2
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
3
ROBINSON, John T., Co., 1476 River St., Boston 36
1
SHAWVER Co., The, 21 W. Pleasant St., Springfield, Ohio
1
SIMMONDS, Worden, White Co., 607 Negley Pl., Dayton 7, Ohio
1 2 4 5
SIMONDS, Saw & Steel Co., 470 Main St., Fitchburg, Mass.
1 2 4 5 6
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
1
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
6
STANDARD Process Corp., 2704 W. Roscoe St., Chicago 7, Ill.
2
WAPAKONETA Machine Co., The, Wapakoneta, Ohio
2
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
2

BLANKETS, PRESS

1 Gravure
2 Letterpress
3 Offset-Litho

1 2 3
BEST, Edward H., & Co., P. O. Box 1752, Boston
2
BROWN Coating Equipment Co., Wellston, Ohio
1 3
CALIFORNIA Ink Co., The, 545 Sansome St., San Francisco 11, Cal.
2 3
CARMICHAEL Blanket Co., 168 Forsythe St., S. W., Atlanta 3, Ga.
2
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
1
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
1 2 3
CRONITE Co., The, 88th St. & Hudson Blvd., North Bergen, N. J.
1
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
★DAYTON Rubber Co., 23½ W. Riverside Ave., Dayton 7, Ohio
3
★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
3
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
3
FUCHS & Long Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
3
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn, N.Y.
3
GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
2 3
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
2 3
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
2
★HILL Rubber Company, 2728 Elston Ave., Chicago, Ill.
3
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
2 3
HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N.Y.
2 3
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
3

1 2 3
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
3
NILES & Nelson, Inc., 75 West St., New York 6, N.Y.
2
★RAPID Roller Co., 2558 S. Federal St., Chicago 16
1 2 3
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago 6, Ill.
3
RYAN, E. G., Company, 153 W. Huron St., Chicago 5, Ill.
3
SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
2 3
SENEFELDER Company, The, 32 Greene St., New York 13, N.Y.
3
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
3
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
3
TILESTON & Hollingsworth Co., 213 Congress St., Boston, Mass.
2 3
TINGUE, Brown & Co., 1765 Carter Ave., New York 57, N.Y.
1 2
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
2 3
VULCAN Rubber Products, Inc., 1st Ave. & 58th St., Brooklyn 20, N.Y.
2 3

BLANKETS, ROLLER EMBOSSING MACHINE

EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N.Y.
HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N.Y.

BLANKETS, ROLLER VARNISHING MACHINE

CORKPAK Company, 70 Argyle Ave., New Rochelle, N.Y.
★RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

BLANKETS, STEREOTYPE MOLDING

1 Cork
2 Fabric
3 Fibre
4 Rubber
5 Rubber Creeper

1 2 3 4 5
BEST, Edward H., & Co., P. O. Box 1752, Boston 10, Mass.
2
CORKPAK Co., Inc., 70 Argyle Ave., New Rochelle, N.Y.
1 2 3 4 5
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
4
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
1 4 5
HOUSE, Chas. W., & Sons, Inc., 505 5th Ave., New York 17, N.Y.
2
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
1 2 3 4 5
RUSSEL Products Co., 910 Lafayette Bldg., Philadelphia 2, Pa.
1 2 5
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
3
TINGUE, Brown & Co., 1765 Carter Ave., New York 57, N.Y.
1 2 3 4 5
TON-TEX Corp., 247 Pearl St., N.W., Grand Rapids, Mich.
2 4 5
UNITED States Rubber Co., Inc., 1230 Sixth Ave., New York 20, N.Y.
4

BLANKET WASH, OFFSET-LITHO

★ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
D.B.A. Products Co., Inc., 749 Deerfield Road, Deerfield, Ill.
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRAZNELL Co., 2227 Walnut, St. Louis 3, Mo.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago
DRISCOLL, Martin, & Co., 610 Federal St., Chicago
FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N.Y.
GREAT Western Printing Ink Co., 409 W. Sixth St., Portland 9, Ore.
LINDEN Chemical Products, 523-G 15th St., Des Moines 14, Iowa
★LITHO Chemical & Supply Co., 46 Harriet Place, Lynbrook, N.Y.
PECK, James I. (Reg.), 47 High St., West Orange, N. J.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
★RAPID Roller Company, 2558 S. Federal St., Chicago
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N.Y.

BLOWERS, CLEANING, PORTABLE

ACE Co., The, P. O. Box 1212, Ocala, Florida
AMERICAN Blower Corp., 8111 Tireman St., Detroit
BREUER Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.
CLEMENTS Mfg. Co., 6671 S. Narragansett Ave., Chicago 38, Ill.
IDEAL Industries, Inc., 6001 Park Ave., Sycamore, Ill.
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

BLUEPRINT POWDER

★LITHO Chemical & Supply Co., 46 Harriet Place, Lynbrook, L.I., N.Y.
METZGER, Alfred E., 30 Irving Place, New York 3

BOARD, CARD, BEVELERS

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
DURRBROW & Hearne, 12 Wooster St., New York 13, N.Y.
EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N.Y.

BOARD CUTTERS, ROTARY

ROBINSON, John T., Co., 1476 River St., Boston 36
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
SOUTH Wabash Engineering Co., 203 N. Wabash, Chicago, Ill.
SWIFT, Geo. W., Jr., Inc., Bordentown, N. J.

BOILERS, STEREOTYPERS'

★HOE, R., & Co., Inc., 910 E. 138th St., New York

BOOK COVERING MACHINES

★DEXTER Folder Co., Pearl River, N.Y.
★PAASCHE Airbrush Co., Div., Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

BOOK COVER ROUND CORNER TURNING-IN MACHINES

BOOK OVERSEWING MACHINES

OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.

BOOK SANDERS

OVERSEWING Machine Co., 368 Congress St., Boston 10, Mass.

BOOK SMASHER, COMPRESSOR

BERRY Machine Co., 716 N. First St., St. Louis 2
HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
STANDARD Machinery Co., Mystic, Conn.

BOOK TRIMMING GUIDES

★CHALLENGE Machinery Co., Grand Haven, Mich.

BOOKBINDERS MACHINERY

ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
ALTAIR Machinery Corp., 55 Vandam St., New York
ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.
BOSTITCH, Inc., Mechanic St., Westerly, Rhode Island
★CHALLENGE Machinery Co., Grand Haven, Mich.
CRAWLEY Book Machinery Co., Inc., 328 Keturah St., Newport, Ky.
★DEXTER Folder Co., Pearl River, New York
FULLER, E. C., Co., Inc., 28 Reade St., New York 7
GANE Bros. & Lane, Inc., 1355 W. Lake St., Chicago, Ill.
GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
HICKOK, W. O., Mfg. Co., Box 423 Harrisburg, Pa.
HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore, Md.
JONES, James H., Co., 808 W. Washington St., Chicago 6
★McADAMS, John, & Sons, 20 Knight St., Norwalk, Conn.
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N.Y.
★NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
PLEGER, John J., Co., 613 W. 16th St., Chicago 16, Ill.
ROBINSON, John T., Co., 1476 River St., Boston 36, Mass.
★ROSBACK, F. P., Co., Benton Harbor, Mich.

SCHEINKER, Ilya, Mech. Eng., 35 Great Jones St., New York, N.Y.
SHERIDAN, T. W. & C. B., Co., Inc., 135 Lafayette St., New York 13, N.Y.
SLADE, Hipp & Meloy, Inc., 119 W. Lake St., Chicago 1, Ill.
SMYTH Manufacturing Co., 9 Sigourney St., Hartford, Conn.
STANDARD Machinery Co., 12 Water St., Mystic, Conn.
STOLP-GORE Company, Inc., 123 S. Jefferson St., Chicago 6, Ill.
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio

BOOKBINDERS SUPPLIES

1 Banding
2 Cloth
3 Leather and Imitations
3a Staples
4 Tape
5 Thread and Twine

1 2 3 3a 4 5
ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
3a
★AIGNER, G. J., Co., 426 S. Clinton St., Chicago 7, Ill.
2
BOSTITCH, Inc., Mechanic St., Westerly, Rhode Island
3a
BROWN-Bridge Mills, East Water St., Troy, Ohio
4
CATTY-FRANZ Euler, H. D., Corp., 161 Sixth Ave., New York 13, N.Y.
2
COATED Textile Mills, Inc., Columbus & York Aves., Pawtucket, R. I.
3
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
3
DU PONT, E. I. de Nemours & Co., Fabrizoid Div., Newburgh, N.Y.
3
GANE Brothers & Lane, Inc., 1355 W. Lake St., Chicago 6, Ill.
1 2 3 3a 4 5
GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
3
GRIFFIN, Campbell, Hayes, Walsh, 48 E. 21st St., New York 10, N.Y.
1 2 3 4 5
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 26, N.Y.
4
HOLLISTON Mills, Inc., Norwood, Mass.
2
HOPE Webbing Co., Pawtucket, R. I.
1
INTERLAKEN Mills, Fiskville, R. I.
2
LATEX Fiber Industries, Beaver Falls, N.Y.
3
McLAUGHLIN, Wm. J., & Co., 604 S. Washington Sq., Philadelphia 6, Pa.
2
McLAURIN-JONES Co., Brookfield, Mass.
2 4
MARSHALL, Son & Wheelock, Inc., 82 Lincoln St., Boston, Mass.
2
MEYER, John C., Thread Co., 1449 Middlesex St., Lowell, Mass. 5
MIDLAND Sales & Mfg. Co., Oelwein, Iowa
3a
MID-STATES Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill. 4
RELIABLE Textile Company, 216 W. Adams St., Chicago 6, Ill.
2
SLADE, Hipp & Meloy, Inc., 119 W. Lake St., Chicago 1, Ill.
1 2 3 4 5
SPRINGFIELD Coated Paper Corp., P. O. Box 229 Camden, N. J.
3
ZAPON-Keratol, Div. Atlas Powder Company, Stamford, Conn.
2 3

BOOKBINDERY SERVICES

1 Binding, Mechanical
2 Covers, All Kinds
3 Edition
4 Eyeletting
5 Indexing
6 Mounting; Finishing
7 Perforating
8 Punching, Drilling

1 2 3 4 5 6 7 8
★AIGNER, G. J., Co., 426 S. Clinton St., Chicago
2 4 5 7 8
ARVEY Corporation, 3642 N. Kimball Ave., Chicago 18, Ill. 6
★AVERY Paper Co., 250 Chester St., Painesville, Ohio
BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.
1 2 3
BURKHARDT Co., 547 W. Larned St., Detroit 26
1 2 3 4 5 7 8
ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
ENGDAHL Bindery, Inc., 2200 S. Maywood Drive, Maywood, Ill.
3
FREEDMAN Die Cutters, Inc., 281 Lafayette St., New York 12, N.Y.
4 5 6
GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
2

1 2 3 4 5 6 7 8
GOAT, Fred, Co., Inc., 314 Dean St., Brooklyn, N.Y.
1
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill. 6
SLOVES Mechanical Binding Co., 601 W. 26th St., New York 13, N.Y.
1 2 6 7 8
SPIRAL Binding Co., 406 W. 31st St., New York 1, N.Y.
★STANDARD Tag Co., 116 Duane St., New York 7, N.Y.
4
SWING-O-RING, Inc., 314 Dean St., Brooklyn 17
1
WILDER Index Co., 328 S. Jefferson St., Chicago 6
1 4 5 7 8

BORING, PLATE, MACHINES (see Plate Shaving and Trimming Machines)

BOX AND CARTON MAKING MACHINERY, SET-UP AND FOLDING

1 Box Doming Machines
2 Box Collapsing Machines
3 Box Making (Set-Up) Machines
4 Carton Forming, Lining, Filling, Folding, Closing, and Sealing Machines
5 Case Printing Machines
6 Case Sealing, Glue, Machines
7 Case Sealing, Gummed Tape Machines

1 2 3 4 5 6 7
BETTER Packages, Inc., Shelton, Conn.
7
BOSTITCH, Westerly, R. I.
4
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
3
COMMERCIAL Paste Co., Columbus 8, Ohio
6
FORCE, William A., 216 Nichols Ave., Brooklyn 8, N.Y.
5
FERGUSON Co., J. L., P. O. Box 1226, Joliet, Ill.
4 5 6
FULLER, H. B. & Company, 255 Eagle St., St. Paul, Minn.
GLOBE Mfg. Co., 2009 Kinsey St., Philadelphia 24
3
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 26, N.Y. 7
HELLER Corp., 2135 Superior Ave., Cleveland 14
4
HIGH Production Machine Co., 533 N. 11th St., Philadelphia 23, Pa.
3
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
3
HOOPER, F. X., Co., Inc., Glen Arm, Md.
3 5
INMAN Manufacturing Co., Amsterdam, N.Y.
3
INTERNATIONAL Paper Box Machine Co., The, Nashua, N.Y.
2
INTERSTATE Folding Box Co., Middletown, Ohio
4
KIEFER, Karl, Machine Co., The, 919 Martin St., Cincinnati 2, Ohio 6
KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N.Y.
1 3
LANGSTON, Samuel M., Co., Camden, N. J.
5
MOORE, Kenneth J. & Co., 1778 W. Estes Avenue, Chicago 26, Illinois 6
NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.
3 4
NEW JERSEY Machine Corp., 1800 Willow Ave., Hoboken, N. J.
1 3
PACKAGE Machinery Co., Springfield, Mass.
4
PACKER Mfg. Co., Inc., Green Bay, Wis.
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
4
PARRY, Samuel R., Machine Co., 224 Mill St., Rochester 4, N.Y.
3
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J. 6
REDINGTON Company, F. B., 3000 St. Charles Rd., Bellwood, Illinois
4
ROBINSON, John T., Co., 1476 River St., Hyde Park, Mass.
3
ROSS, A. H., Company, Box 998, Dayton 1, Ohio
4
SEAL, Inc., Shelton, Conn.
7
SEAL-O-Matic Dispenser Corp., 52 W. Houston St., New York 12, N.Y. 7
SHERIDAN, T. W. & C. B., Co., 153 Lafayette St., New York 13, N.Y.
3
SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.
STANDARD Machinery Co., The, Mystic, Conn.
3
STANDARD Paper Box Machinery Co., 133 Bleeker St., New York 12, N.Y.
3 4

1 2 3 4 5 6 7
STAUDE, E. G., Div., the Sperry Corp., 2675 University Ave., St. Paul 4, Minn.
2 4
STOKES & Smith Co., Frankford, Philadelphia 24, Pa.
3 4
WILSEA Works, 371 St. Paul Ave., Rochester 5, N.Y.
3
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.
3

BOXES, CARDBOARD, FOR STATIONERY AND PRINTED FORMS

BARGER Box Co., W. Beardsley Ave., Elkhart, Ind.
NATIONAL Metal Edge Box Co., 334 N. 12th St., Philadelphia, Pa.

BRAKES, PRESS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
★CLINE Electric Mfg. Co., 3405 W. 47th, Chicago
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
MARGACH Mfg. Co., 82 Beekman St., New York 7
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
STEPHENS, Sam'l, & Wickersham Quoin Co., 174 High St., Boston 10, Mass.

BRASS & COPPER SPACES (see Thin Spaces)

BRAYERS

BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago, Ill.
HART, Wm. C. Co., Inc., 137 Greene Street, New York 12, N.Y.
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
NATIONAL Roller Company, 307 Pearl St., New York 38, N.Y.
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
PAYYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
★VANDERCOOK & Sons., 3601 W. Touhy Ave., Chicago 45, Ill.

BROACHING MACHINES AND RULES, TABULAR SYSTEMS

★UNIVERSAL Mono-Tabular Corp., 706 Olive St., Dallas 1, Tex.

BRONZE POWDER (see Foil and Leaf)

BRONZING MACHINES

ATLANTIC Powdered Metals, Inc., 38 Park Row, New York 7, N.Y.
★DEXTER Folder Company, Pearl River, N.Y.
★HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.
HOLLINGSWORTH, Wm., 227 N. Holliday St., Baltimore 2, Md.
MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.
★MILLER Printing and Machinery Co., 1117 Reedsdale St., Pittsburgh 33, Pa.
ZARKIN Machine Co., 34-19 Tenth St., Long Island City, N.Y.

BRUSHES, BASE CLEANING

HANSON-Van Winkle-Munning, Matawan, N. J.
★PRINTING Machinery Co., 435 Commercial Square, Cincinnati 2, Ohio
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BUNDLING DEVICES FOR NEWSPAPERS

TIE Company, 14 Depot St., Unadilla, N.Y.

BURNING-IN STOVES (OVENS), PHOTOENGRAVERS'

BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
HERBERT Products Inc., 74-32 Jamaica Ave., Woodhaven 2, N.Y.
JONES Graphic Products Co., 118 N. Third St., Albuquerque, N. M.
MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
TEANECK Chemical Co., Carlstadt, N. J.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

BURNERS, GAS, ELECTROTYPERS' AND STEREOTYPERS' FURNACES

CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54, N.Y.
JOHNSON Gas Appliance Co., 520 "E" Ave., Cedar Rapids, Iowa
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore

BURNISHERS, BOOKBINDERS' AND PHOTOENGRAVERS' (see Tools)

C

CABINETS, CASES, RACKS

1 Cabinets, Galley
2 Cabinets, Matrix (Type)
2a Cabinets, Offset Filing
3 Cabinets, Operators
4 Cabinets, Page Storage
5 Cabinets, Pressroom, Ink
6 Cabinets, Storage
7 Cabinets, Strip Rule
8 Cabinets, Tool
9 Cases, Type
10 Chairs, Seats, Stools
11 Desks
11a Offset Filing
12 Racks, Chase
13 Racks, Drying
14 Racks, Magazine, Type
15 Racks, Press Roller

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
ACME Type Foundry, 633 Plymouth Court, Chicago 5
1 14
ALLIED Steel Equipment Co., Lapeer, Mich.
6 10 11
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
1 2 4 5 6 7 10 12 13 14 15
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
13
ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.
1 2 5 8 10
AURORA Equipment Co., Cleveland at Prairie St., Aurora, Ill.
3 4 5 6 7 8
BERGER Mfg. Co., Div. Republic Steel Corp., Canton 5, Ohio
6 8 11
★CHALLENGE Machinery Co., Grand Haven, Mich.
1 4 6 8 12
EQUIPTO, Div. Aurora Eqpt. Co., Aurora, Ill.
1 4 6 8
★FOSTER Mfg. Co., 333 S. Broad St., Philadelphia
1 4 6 7 9 12
GLOBE-Wernicke Co., The, Roth and Carthage Ave., Norwood, Ohio
10 11
★HAMILTON Mfg. Co., Two Rivers, Wis.
1 2 3 4 5 6 7 8 9 12 13 15
HAMMOND Machinery Builders, 1616 Douglas Ave., Kalamazoo 54, Mich.
6 7
HOBART Cabinet Co., Troy, Ohio
6 8 11
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
2 6 7
LUDWIG-Duell Co., 30 Beekman St., New York 7
7
LYON Metal Products, Inc., 1168 Madison, Aurora, Ill.
5 6 8 10 11
★MAYVILLE Metal Products Co., Mayville, Wis.
1 11a 13
MENDEZ Co., 30 Beekman St., New York, N.Y.
7
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
2a
MONO-Typecaster Service, 5722 N. Meade Ave., Chicago 30, Ill.
6
MONOMELT Company, 1611 Polk St. N.E., Minneapolis 13, Minn.
3 6
MONTGOMERY Co. Inc., Pratt Ave., Towanda, Pa.
1 3
MORGANS & Wilcox Mfg. Co., Middletown, N.Y.
6
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
7 10
RULEX Type Corp., 127 W. Harrison, Chicago, Ill.
1
RYAN, E. G. Company, 153 W. Huron St., Chicago 10, Ill.
2a
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
4
STANDARD Pressed Steel Co., Box 740, Jenkintown, Pa.
6 8 10 11
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
THOMPSON Cabinet Company, Box 286, Ludington, Mich.
1 2 3 4 5 6 7 8 9 11 12 13 14 15
THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Texas
1 2 6

CALENDAR PADS

COLUMBIAN Art Works, 1036 W. Juneau Ave., Milwaukee 3, Wis.
FLEMING Calendar Co., 6510 Cottage Grove Ave., Chicago 37, Ill.
GLOBE Art Calendar Co., 3909 Martin St., Detroit 10
GOES Lithographing Co., 42 W. 61st St., Chicago, Ill.
HOOVER, Joseph, & Sons, Market & 49th St., Philadelphia, Pa.
KETERLINUS Litho. Mfg. Co., Primos, Pa.
SULLIVAN Printing Works, 1055 Gilbert Ave., Cincinnati, Ohio
WIEBUSH Calendar Importing Co., 80 Franklin St., New York 13, N.Y.

CALENDAR PUNCHING AND STRINGING MACHINES

★GRAEBER Stringing & Wiring Machine Co., Div. New Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.
★NEW Era Mfg. Co., Inc., 375 11th Ave., Paterson 4, N. J.

CALENDAR SLIDES MACHINES (see Tin Edging and Mounting Machines)

CAMERAS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
★ANSCO, 42 Charles St., Binghamton, N.Y.
AURORA School of Photoengraving, Aurora, Mo.
BEATTIE Process Camera Corp., P. O. Box 70, Chatham, N. J.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BURKE & James, 321 S. Wabash Ave., Chicago 6, Ill.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabansia, Chicago, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
GELB, Joseph, Co., 52 Arlington St., Newark 2, N. J.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
KENNO Graphics, Inc., 25 Commerce St., Chatham, New Jersey
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LEVY, Max, & Co., Wayne Ave., & Berkley St., Philadelphia 44, Pa.
LONG Eng. Research Corp., 1000 Wheatsheaf Rd., Linden, N. J.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia
PICTORIAL Machinery Ltd., Crawley, Sussex, England
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. and 44th Ave., Long Island City 1
RYAN, E. G., Company, 153 W. Huron St., Chicago 5, Ill.
SULLEBARGER, E. T., Co., 110 Fulton St., New York, N.Y.
TEANECK Chemical Co., Carlstadt, N. J.
UNITED Camera Co., 1515 Belmont, Chicago 13
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.
ZARKIN Machine Co., 34-19 Tenth St., Long Island City, N.Y.

CAMERA FLASHING LAMPS

CHEMCO Photoproducts Co., New Street, Glen Cove, New York
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
SULLEBARGER, E. T. Co., 110 Fulton St., New York 7, N.Y.

CAMERAS, FOUR COLORS, ONE SHOT, ONE PLATE

CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.

CANS, SAFETY

1 Inflammable Liquids
2 Oily Waste or Wipers

1 2
AMERICAN Wood Type, 35 W. 3rd St., New York 12
1
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn
1 2
ANGLE Steel Stool Company, 309 W. Oak St., Plainwell, Mich.
2
DIENER, Geo. W., Mfg. Co., 400 N. Monticello, Chicago, Ill.
1 2
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1
JUSTRITE Mfg. Co., 2061 Southport Ave., Chicago
1 2
METZGER, Alfred E., 30 Irving Place, New York 3
1 2
PROTECTOSEAL Co., 1920 S. Western Ave., Chicago 8, Ill.
1 2
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
2
UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.
1 2
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
1

CAPS, PAPER CUPS, MACHINES

YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

CARBON INTERLEAVING EQUIPMENT

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kansas
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
★McADAMS, John & Sons, 20 Knight St., Norwalk, Conn.
SCHWEITZER, P. J., Inc., Elizabeth, N. J.

CARBON PAPER

AMERICAN Carbon Paper Corp., 1313 W. Lake St., Chicago, Ill.
★AMERICAN Carbon Paper Mfg. Co., Ennis, Texas
AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.
FRYE Mfg. Co., 2531 Dean Ave., Des Moines, Iowa
PHILIP Hano Co., Inc., 85 Sargeant St., Holyoke, Mass.
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N.Y.
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y.
UNDERWOOD Corporation, 1 Park Ave., New York

CARBON-PROCESSING MACHINES

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
FRYE Mfg. Co., 231 Dean Ave., Des Moines, Iowa
HAIDA Engineering Co., 3411 Vernon Blvd., Long Island City 1, N.Y.
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
★NEW ERA Mfg. Co. Inc., 375 11th Ave., Paterson 4, N. J.

CARBON TISSUE

CHEMCO Photoproducts, New St., Glen Cove, N.Y.
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
SCHWEITZER, P. J., Inc., Elizabeth, N. J.
UNDERWOOD Corporation, 1 Park Ave., New York 16, N.Y.

CARBON TISSUE LAYDOWN TRANSFER MACHINES

MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.
STANDARD Process Corp., 2704 W. Roscoe Street, Chicago, Ill.

CARBONS, ARC LAMP

ATLAS Electric Devices, 361 W. Superior St., Chicago 10, Ill.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CHEMCO Photoproducts Co., New Street, Glen Cove, New York
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Michigan
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
HUNT, Philip A., Co., Palisades Park, N. J.
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia, Pa.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NATIONAL Carbon Co., 30 E. 42nd St., New York 17, N.Y.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia

RYAN, E. G., Company, 727 S. Dearborn St., Chicago 5, Ill.
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N.Y.

CARD, INDEX, CUTTING MACHINES

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

CASE, BOOK, MACHINES

1 Case Back Forming
2 Case Bending
3 Case Feeding
4 Case Making
5 Case Back Smoothing

1 2 3 4 5
CRAWLEY Book Machinery Co., Newport, Ky.
1 2 3 4 5
★DEXTER Folder Co., Pearl River, N.Y.
4
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
3 4
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
4
STANDARD Paper Box Machine Co., 133 Bleecker St., New York, N.Y.
STOLP-Gore, Inc., 710 W. Jackson Blvd., Chicago, Ill.
2

CASING-IN MACHINES, BOOK

★DEXTER Folder Co., Pearl River, N.Y.
SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.

CASTERS, LEAD AND RULE (See Composing Machines and Supplies)

CASTERS, STEREOTYPE METAL INGOTS

DIVISION Lead Co., 7742 W. 61st Place, Summit, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.

CASTERS (Wheels) (see Trucks)

CASTING BOXES, STEREOTYPERS'

1 Curved Plate
2 Flat Plate
3 Vacuum

1 2 3
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
1 2 3
HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.
2
★HESS & Barker, 212 S. Darien St., Philadelphia 7
1 2
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1 2 3
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
2
PARSONS & Whittemore, Inc., 250 Park Ave., New York 17, N.Y.
SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
1 2
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Cal.
2
STA-HI Corp., 1235 W. Washington Blvd., Whittier, Calif.
2 3
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
1 2
TRIUMPH Equipment Eng., 6504 Walker St., Minneapolis 16, Minn.
2
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
1 2

CASTING MACHINES, STEREOTYPE

★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
PARSONS & Whittemore, Inc., 250 Park Ave., New York 17, N.Y.
STA-HI Corp., 1235 W. Washington Blvd., Whittier, Calif.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

CATALOGUE COVERING MACHINES

SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.

CELLULOID TABBING MACHINES

★NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
TABER Instrument Corp., 111 Goundry St., No. Tonawanda, N.Y.

CELLULOSE SHEET PROTECTORS

BURKHARDT Company, 545 W. Larned St., Detroit 26, Mich.
ELBE File & Binder Co., 649 Alden St., Fall River, Mass.
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1

CELLULOSE V SHEET HOLDERS

TABER Instrument Corp., 111 Goundry St., No. Tonawanda, N.Y.

CHASES

★AMERICAN Steel Chase Co., 31 48th Ave., Long Island City 1, N.Y.
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
★BLATCHFORD, E. W., Co., 111 Broadway, New York 7, N.Y.
FERGUSON, J. L. Co., P.O. Box 1196, Joliet, Ill.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
LANCE, Chester L., Co., 620 Browder St., Dallas 1, Texas
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
OVERSEWING Machine Co., 368 Congress St., Boston, Mass.
PAVYER Printing Machine Works, 600 S. Broadway, St. Lou's, Mo.
★PRINTING Machinery Co., The, 436 Commercial Sq., Cincinnati 2, Ohio
SANDBLOM Steel Chase Co., 426 S. Clinton St., Chicago 7, Ill.
SPEEDY Machinery Co., 1477 S.W. 3rd St., Miami 35

CHEMICALS

1 Electrotyping
2 Gravure
3 Offset-Litho
4 Photo-engraving

1 2 3 4
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
3
BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
3
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
2 3 4
★CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.
3
CHEMCO Photoproducts Co., New St., Glen Cove., N.Y.
2 3 4
CRAMER, G., Dry Plate Co., 1835 Shenandoah Ave., St. Louis 16, Mo.
CRONITE Co., 88th St. & Hudson Blvd., North Bergen, N. J.
2
DAVIDSON Corp., Subs. of Morgenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
3
DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N.Y.
2 3 4
DOM, G. C., Supply Co., 125 E. Pearl St., Cincinnati
1 2 3 4
★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Michigan
3 4
DU PONT, E. I. de Nemours & Co., Inc., Wilmington, Del.
3 4
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
3 4
FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
2 3 4
FUCHS & Long Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
3
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
3
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
3
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
3
HUNT, Philip A., Co., Palisades Park, N. J.
2 3 4
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
3
JONES Graphic Products Co., 118 N. Third St., Albuquerque, New Mexico
2 3 4
LaMOTTE Chemical Products Co., Towson 4, Baltimore, Md.
3

1 2 3 4
★LITHO Chemical & Supply Co., 46 Harriet Place, Lynbrook, L. I., N.Y.
3
MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
2 3 4
McKINLEY Litho Supply Co., 1623 John Sts., Cincinnati 14, Ohio
3
MERCK & Co., Inc., Rahway, N. J.
2 3 4
MERIX Chemical Co., 1021 E. 55th St., Chicago
2 3 4
METZGER, Alfred E., 30 Irving Place, New York 3
2 3
MOORE Laboratories, 70 W. Montcalm, Detroit 1
3 4
PHILLIPS & Jacobs, 622 Race St., Philadelphia
1 2 3 4
PITMAN, Harold M., Co., 51st Ave., & 33rd St., Chicago 50, Ill.
2 3 4
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago 6, Ill.
3
ROGERS Isinglass & Glue Co., 219 Eastern Ave., Gloucester, Mass.
2 3 4
SENEFELDER Co., Inc., 32 Greene St., New York 13
3 4
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
3 4
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N.Y.
3
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
2
TEANECK Chemical Co., Carlstadt, N. J.
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N.Y.
4

CHUCKS (Non-returnable cores) PAPER ROLL

PAPER Converting Machine Co., 601 Harvey, Green Bay, Wis.
STA-HI Corp., 6235 W. Washington Blvd., Whittier, Calif.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago

CLEANER, HAND

ANCHOR Core Economy Soap Co., Box 390, Wheaton, Ill.
BRECK, John H., Inc., 115 Dwight St., Springfield 3, Mass.
COLGATE-Palmolive, 105 Hudson St., Jersey City 2, New Jersey
DAVIDSON Corp., Subs. of Morgenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
DIVERSEY Corp., Industrial Maintenance Dept., 1820 Roscoe St., Chicago 13, Ill.
DOLGE, C. B., Co., Westport, Conn.
DUDLEY, Kenneth E., Box 806, Hagerstown, Maryland
MERRITT Products Co., 1547 E. 18th St., Cleveland 14, Ohio
MITTAG & Volger, Inc., Park Ridge, N. J.
OAKITE Products Inc., 32 Rector St., New York 6, N.Y.
SCHULTZ Laboratories, 823 Arden St., Boone, Iowa
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
WEST Disinfecting Co., 42-16 West St., Long Island City 1, New York

CLEANER, NUMBERING MACHINES

★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn
LINDEN Chemical Products Co., 523 15th St., Des Moines 14, Iowa
OAKITE Products, Inc., 32 Rector St., New York 6, N.Y.
ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N.Y.

CLEANER, PRINTING PRESS

★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
★CHALMERS Chemical Co., 123 Chestnut St., Newark 5, N. J.
DAVIDSON Corp., Subs. of Morgenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
FEDERAL Mining & Mfg. Co., 22 Kearney Ave., Jersey City 4, N. J.
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
LINDEN Chemical Co., 523 15th St., Des Moines, Io
MERIX Chemical Company, 1021 E. 55th St., Chicago 11, Ill.
NATIONAL Saw Sharpening Co., 316 E. Ohio St., Indianapolis 4, Indiana
OAKITE Products Inc., 32 Rector St., New York 6, N.Y
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
SCHWARM & Jacobus Co., The, 1216 Jackson St., Cincinnati 10, Ohio
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

CLEANING OUTFIT FOR PATENT BASE

★ANCHOR Chemical Corp., Inc., 829 Bergen St., Brooklyn 16, N.Y.
★PRINTING Machinery Co., The, 436 Commercial Square, Cincinnati 2, Ohio

COATING MACHINES (Cylinder-Roller), (Lacquer and Varnish)

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth, N. J.
BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
CHAMBERS Brothers Co., 52nd and Media Sts., Philadelphia, Pa.
★DEXTER Folder Co., Pearl River, N.Y.
EMBOSSOGRAPH Process Co., Inc., 251 William St., New York, N.Y.
GENERAL Research & Supply Co., 527 S. Division, Grand Rapids, Mich.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N.Y.
★IDEAL Roller & Mfg. Company, 2512 W. 24th Street, Chicago 8, Illinois
HOHWEILER Machinery & Engineering Co., 34 Lincoln Highway, Morrisville, Pa.
HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
HUDSON-Sharp Machine Co., Green Bay, Wis.
KIDDER Press Co., Inc., Dover, N. H.
KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N.Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Illinois
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N.Y.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
WALDRON, John, Corp., New Brunswick, N. J.

COATING MACHINES (Wax and Hot Melt—Thermoplastic)

DOW Chemical Co., Midland, Mich.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N.Y.
HUDSON-Sharp Machine Co., Green Bay, Wis.
INTERNATIONAL Paper Box Machine Co., The, Nashua, N. H.
KNOWLTON, M. D., Co., 57 Clarissa St., Rochester 4, N.Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Illinois
MOORE, Kenneth J., & Co., 1778 West Estes Ave., Chicago 26, Ill.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
PAPER Converting Machine Co., 601 Harvey, Green Bay, Wis.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
STANDARD Process Corp., 734 W. Lexington St., Chicago 7, Ill.
WALDRON, John, Corp., New Brunswick, N. J.

COLLATING AND GATHERING EQUIPMENT

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
★DEXTER Folder Co., Pearl River, N.Y.
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kansas
DUDLEY, Kenneth E., Co., Box 806, Hagerstown, Md.
EVANS Specialty Co., 407 N. Munford St., Richmond 20, Va.
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
HUDSON Sharp Machine Co., 1201 Main St., Green Bay, Wis.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
LOW, John M., & Co., 205 W. Monroe St., Chicago
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
★NEW Era Mfg. Co., 375 Eleventh Ave., Paterson 4, N. J.
★ORVILLE Dutra & Son, Wester Gear Works, 2650 East Imperial, Lynwood, Calif.
PEARCE Development Co., 1606 E. 30th St., Cleveland 14, Ohio
★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
SCHEINKER, Ilya, Mech. Eng., 35 Great Jones St., New York, N.Y.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland, Ohio
UNIVERSAL Jogger Co., 322 S. Fourth St., Minneapolis 15, Minn.
WALDRON, John, Corp., Box 791, New Brunswick, N. J.

COLOR FILTERS

★ANSCO, 42 Charles St., Binghamton, N.Y.
DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N.Y.
DU PONT, E. I. de Nemours, Photo Products Dept., 1428 Nemours Bldg., Wilmington 98, Del.
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
GOERZ American Optical Co., C. P., 317 E. 34th St., New York 16, N.Y.
ROSSCO Laboratories, 367 Hudson Ave., Brooklyn 1, New York
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

COLOR SEPARATION PROCESS

CRAFTINT MFG. C., 1615 Collamer Ave., Cleveland 10, Ohio
GRAPHIC Arts Corp., 110 Ottawa St., Toledo, Ohio
HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N.Y.
LONG Engineering Research Co., 1000 Wheatsheaf Rd., Linden, N. J.
MARK & Son, John G., 525 Broadway, New York 12, N.Y.
MERIX Chemical Co., 1021 E. 55th St., Chicago 11, Illinois
STAFFORD Engraving Co., 229 N. Penn St., Indianapolis, Ind.
OFFSET Printing Plate Co., 100 Bleeker St., New York 12, N.Y.

COLOR SYSTEMS

ALLCOLOR Co., 527 Fifth Ave., New York 17, N.Y.
★ANSCO, 42 Charles St., Binghamton, N.Y.
COLORGRAPH Process Co., 241 E. Illinois St., Chicago 11, Ill.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland 10, Ohio
HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N.Y.
MUNSELL Color Co., 10 E. Franklin St., Baltimore, Maryland
STAFFORD Engraving Co., 229 N. Penn St., Indianapolis, Ind.

COMPOSING AND MAKEUP STICKS

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

COMPOSING MACHINES and SUPPLIES

1 Casters, Lead, Rule, Strip & Base
2 Casters, Slug
3 Cleaners for Matrices
4 Cleaners for Plungers
5 Cleaners for Spacebands
6 Contrast Matrices
7 Cross Rule Machines
8 Elrod Rule Bench
9 Gas Governors
10 Graphite and Graphited Oils
11 Keyboards
12 Liners, Extensible
13 Matrices
14 Mold Coolers
15 Monotype Storage Eqpt.
16 Parts and Supplies
17 Perforators, Keyboard Tape
18 Saw, Odd-Measure
18a Slug Saw, Automatic
19 Slug Shears
20 Slug Surfacing Machines
21 Quadding Attachment, Automatic
22 Tabular Systems
23 Type Casters
24 Type Setting Machines
25 Type Setting Operating Units, Automatically Setting from Tape
26 Wipers, Spaceband

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 38, N.Y.
3 4 5
★BALTIMORE Type & Composition Corp., 15 S. Frederick St., Baltimore, Md.
13
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
17
CORKPAK Co., 70 Argyle Ave., New Rochelle, N.Y.
10
13 16
DIXIE Type & Supply Co., 930 N. 6th Ave., Birmingham, Ala.
16
DIXON, Joseph, Crucible Co., 167 Wayne St., Jersey City, N. J.
1 10
HOUSE of Hansen, Inc., 470 Atlantic Ave., Boston 10, Mass.
6
16 21

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26

IMPRINT Matrix Co., Charlotte, N. C.
13
INDEPENDENT Electric Machinery Co., 300 Southwest Blvd., Kansas City 8, Mo.
16
★INTERTYPE Corporation, 360 Furnam St., Brooklyn 2, New York
9 11
13 14 16
24
L & W SERVICE Co., 1 Waterman Ave., East Providence 14, R. I.
16
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
1 7 9
13 15 16 17 22
23 24
LEES, Hervey, 212 N. Chevy Chase Drive, Glendale 6, Calif.
11
LINOTAPE Products Co., 1460 Corona Street, Denver 18, Colo.
6
★LINOTYPE Parts Co., So. Hackensack, N. J.
3 4 5 9 10
13 14 16 21
26
★LUDLOW Typograph Co., 2032 Clybourn Avenue, Chicago 14, Illinois
1 2 7
13 16 19 20 22
MATRIX Contrast Corp., 154 W. 14th St., New York 1, New York
6
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, New York
2 10 11
12 13 14 16 21
24 25 26
MOHR Lino Saw Co., 8015 N. Ridgeway Ave., Skokie, Ill.
1 18a
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
9
MONTGOMERY Company, Inc., Pratt Ave., Towanda, Pa.
3 9 10
16
MONO-Typecaster Service, 5728 N. Meade Ave., Chicago 30, Ill.
1 2 9 11
13 13 16
23 24
MORRISON Company, 125 W. Melvina St., Milwaukee 12, Wis.
18
ROSS-AD Seal, Inc., 738 Lord Street, Indianapolis 2
13
ROUSE, H. B., & Co., 2214 North Wayne Ave., Chicago 14, Ill.
8
RULEX Type Corp., 127 W. Harrison, Chicago
18 19
11
24
SERVWELL Products Co., 6541 Euclid Ave., Cleveland 3, Ohio
10
SUPERIOR Flake Graphite Co., 33 S. Clark St., Chicago 3, Ill.
10
★TELETYPESETTER Corp., 2752 Clybourn Ave., Chicago 14, Ill.
17
25
★UNIVERSAL Mono-Tabular Corp., 706 Olive St., Dallas 1, Texas
1 7
19 22
WALLIN Printers Supply Co., 309 S. 13th St., Omaha, Nebraska
1
WIEBKING Engraving Co., 113 W. Newport Ave., Chicago 13, Ill.
13

CONTACT PRINTING MACHINES (See Printing Frames)

CONTINUOUS DESIGN ROLLERS (Cylinders—Aniline Printing)

AMERICAN Wringer Co., 121 Clinton St., Woonsocket, R.I.
BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman, Chicago, Ill.
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
MOSSTYPE Corp., 33 Flatbush Ave., Brooklyn 17
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.

CONTINUOUS TRIMMERS, BOOK AND MAGAZINE

★DEXTER Folder Co., Pearl River, N.Y.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
SMYTH Mfg. Co., 9 Sigourney St., Hartford 6, Conn.
TURNER Printing Machinery Inc., 2630 Payne Ave., Cleveland, Ohio

CONVEYORS (Also see Trucks)

BALDWIN, James L., & Co., 1551 W. Thomas, Chicago
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago
CRONITE Co., 88th St. and Hudson Blvd., North Bergen, N. J.
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1
GENERAL Research & Supply, 527 S. Division St., Grand Rapids, Mich.
HERBERT Products, Inc., 74-32 Jamaica Ave., Woodhaven 21, N.Y.
JAMPOL, The, Co., 728 61st St., Brooklyn, N.Y.
LAMSON Corp., 250 Lamson St., Syracuse 1, N.Y.
LINK-Belt Company, 300 W. Pershing Road, Chicago 9, Ill.
MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
RICHARDS-Wilcox Mfg. Co., Aurora, Ill.

COOLER PRESS (For straightening Buckled or Warped Zinc Plates)

PARSONS & Whittmore, Inc., 250 Park Avenue, New York 17, N.Y.

COOLING TABLES

PHILLIPS & Jacobs, 622 Race St., Philadelphia
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.

COPPERPLATE PRINTING EQUIPMENT AND SUPPLIES

CRONITE Co., The, 88th & Hudson Blvd., North Bergen, N. J.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N.Y.
SNYDER, W. H., Co., 88 Walker St., New York 13

COPY-FITTING SYSTEMS (See Gauges and Testing Instruments)

CORDS AND TASSELS, TYING

HELMUS, G., & Sons, Inc., 648 Broadway, New York 7
★STANDARD Tag Co., 116 Duane St., New York

COUNTERS, DATERS, NUMBERING MACHINES AND HEADS

1 Counter and Marker
2 Counters, Folding Machine
3 Counters, Paper Pad
4 Counters, Press
5 Daters
6 Numbering Machines
7 Numbering Machine Cleaners
8 Paging and Numbering Machines, Bindery
9 Rotary Numbering Heads

1 2 3 4 5 6 7 8 9
★AMERICAN Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn, N.Y.
5 6 8 9
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
4 6
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16
7
ARNOLD Numbering Machine Works, 19 S. Wells St., Chicago 6, Illinois
6
BATES Mfg. Co., 30 Vesey St., New York 7, N.Y.
8
BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
4
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
6
★COUNTER & Control Corp., 5225 W. Electric Ave., Milwaukee, Wisconsin
1 2
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
6
CUMMINS Business Machines Corp., 4786 Ravenswood Ave., Chicago 40, Ill.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
9
DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.
2 4
FERGUSON, J. L., Co., P. O. Box 1226, Joliet, Ill.
6
FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N.Y.
5 6 7 9
★FOSTER Mfg. Co., 333 S. Broad St., Philadelphia 7
6
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
6 8 9
HILLS-McCanna, O. A. Div., 3025 N. Western, Chicago 18, Ill.
1
HOOLE Machine & Engraving Works, Inc., 30 Main St., Brooklyn, N.Y.
6 8 9
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
1
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
9
1 2 3 4 5 6 7 8 9
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10
5
★NYGREN-Dahly Co., Inc., 1422 W. Altgeld St., Chicago, Ill.
6 8
PITNEY-Bowes, Inc., 757 Pacific Ave., Stamford, Conn.
1
PRODUCTION Instrument Co., 704 W. Jackson Blvd., Chicago 6, Ill.
2 4
REDINGTON, F. B., Co., 112 S. Sangamon St., Chicago 7, Ill.
2 4
ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N.Y.
1 5 6 7 8 9
SUPER Speed Printing Machinery Co., 1712 E. 27th St., Cleveland 14, Ohio
VEEDER-Root, Inc., Sargent & Garden Sts., Hartford 2, Conn.
2 4
WETTER Numbering Machine Co., Atlantic Ave. & Logan St., Brooklyn 8, N.Y.
4 9

COUPLERS, BELT AND TAPE

CLIPPER Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.
CORKPAK Co., Inc., 70 Argyle Ave., New Rochelle, N.Y.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.

COVERS, ALL KINDS

BROCK & Rankin, 619 S. LaSalle St., Chicago 5, Ill.
BURKHARDT Co., 547 W. Larned St., Detroit 26
SMITH, S. K., Co., 2857 N. Western Ave., Chicago
SPEED Products Co., 32-01 Queens Blvd., Long Island City 1, N.Y.

CREASING, CRIMPING, SCALLOPING AND SCORING MACHINES

1 Creasing and Scoring
2 Crimpng
3 Scalloping
4 Scoring

1 2 3 4
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
1 4
HOOPER, F. X., Co., Inc., Glen Arm, Md.
1 4
JACQUES, John, & Son, 93 Webster St., Worcester
1 4
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
LESTER & Wesley Co., Inc., 513 N. Main St., Norwich, Conn.
1 4
★NYGREN-Dahly Co., 1422 W. Altgeld, Chicago
1 4
OVERSEWING Machine Co., 368 Congress St., Boston, Mass.
1 4
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
3
ROBINSON, John T., Co., 1476 River St., Hyde Park, Mass.
1 4
★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
1 2 4
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul, Minn.
1 4
TURNER Printing Machinery, Inc. 2630 Payne Ave., Cleveland 14, Ohio
1 4

CURVED PLATE SHAVERS, PROVERS, REFORMERS, etc.

★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
WOOD Newspaper Mchy. Corp., 501 Fifth Ave., New York 17, N.Y.

CUT STORAGE FILE

BARGER Box Co., W. Beardsley Ave., Elkhart, Ind.
DANDY Storage File Co., Wausau, Wis.
EQUIPTO, Div., Aurora Equipment Co., Aurora, Ill.
★FOSTER Mfg. Co., 333 Broad St., Philadelphia
★HAMILTON Mfg. Co., Two Rivers, Wis.
★MAYVILLE Metal Products Co., Mayville, Wis.
THOMPSON Cabinet Co., Ludington, Michigan

CUTTERS—LEAD, RULE, SLUG (Also see Paper Cutters, Roll Leaf Cutters.)

★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★FOSTER Mfg. Co., 333 S. Broad St., Philadelphia
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
PAVYER Printing Machine Works, 600 S. Broadway St. Louis 2, Mo.
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

CUTTING AND CREASING PRESSES, PLATEN

★BRANTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.
★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
★MILLER Printing Mchy. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.
PACKER Mfg. Co., Inc., Green Bay, Wis.
THOMSON-National Press Co., Inc., Dean Ave., Franklin, Mass.

CUTTING-OFF MACHINES, CURVED STEREOTYPE PLATES

★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

CYLINDER GRINDING AND POLISHING EQUIPMENT, GRAVURE

HANSON-Van Winkle-Munning, Matawan, N. J.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
MOTTER'S, George F., & Sons, 132 S. Pershing Avenue, York, Pa.
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N.Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER MAKING EQUIPMENT, LETTERPRESS, GRAVURE AND OFFSET LITHOGRAPHY BY DIRECT PROJECTION (Including Continuous Design and Step and Repeat)

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
HUEBNER Laboratories, 102 N. Mamaroneck Ave., Mamaroneck, N.Y.

CYLINDER MARKING MACHINES, ROTOGRAVURE

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54
MOTTER'S, George F., & Sons, 132 S. Pershing Avenue, York, Pa.

CYLINDER PLATING AND POLISHING, GRAVURE, FOR THE TRADE

ELECTRO-Coatings, Inc., 1662 W. Fullerton Ave., Chicago 14, Ill.
GRAVURE Process Co., 4179 W. Belmont Ave., Chicago 41, Ill.
HANSON-Van Winkle-Munning, Matawan, N. J.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDER, ROTARY AND PLATEN PRESS DRAWSHEETS AND TYMPANS (Also see Blankets)

1 Blankets, Embossing, Felt
2 Drawsheets and Tympans, Paper, Commercial (Also see Paper Index)
3 Drawsheets, Newspaper
4 Jackets and Tympans other than Paper
5 Underpacking

1 2 3 4 5
BAKELITE Corp., Div., Union Carbide & Carbon Corp., 30 E. 42nd St., New York, N.Y.
4
CARBORUNDUM Co., Niagara Falls, N.Y.
4
CORKPAK Company, Inc., 70 Argyle Ave., New Rochelle, N.Y.
1 2 3 4 5
★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
2 5
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
4
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
1 3 4 5
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
3 4 5
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1 3 4 5
★MINNESOTA Mining & Mfg. Co., 900 Fauquier Ave., St. Paul 6, Minn.
1 2 3

1 2 3 4 5
★RAPID Roller Co., 2558 S. Federal St., Chicago 11
3
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
5
TINGUE, Brown & Co., 1765 Carter Ave., New York 57, N.Y.
1 2 3 4 5
TRIPLET Gauge 14, Vanderwater St., New York 7, N.Y.
2
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
4 5

CYLINDER, SLEEVE AND PLATE MAKING, GRAVURE, FOR THE TRADE

BECK Engraving Co., 7th & Sansome Sts., Philadelphia, Pa.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
DILLON, J. C., Co., Inc., 45-61 Court Sq., Long Island City 1, N.Y.
GRAVURE Process Co., 4179 Belmont Ave., Chicago 41, Ill.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
INTAGLIO Service Corp., 305 E. 46th St., New York, N.Y.

CYLINDERS, SLEEVES AND PLATES (Gravure)

ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
EDES Manufacturing Company, Plymouth, Mass.
ELECTRO-Coatings, Inc., 1662 W. Fullerton Ave., Chicago 14, Ill.
HUSSEY & Co., C. G., 2850 Second Ave., Pittsburgh
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

CYLINDERS, STEEL, LETTERPRESS

1 Grooved
2 Honey-combed
1 2
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
1
★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
1
★HOE, R., & Co., Inc., 910 E. 138th St., New York
PRINTING Machinery Co., 436 Commercial Sq., Cincinnati
1
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
★WESTERN Printing Machinery Co., 3519 N. Spaulding Ave., Chicago, Ill.
2

D

DAMPENING AIDS, OFFSET-LITHO

★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 38, N.Y.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
FLINT, Howard, Co., 2546 Clark Ave., Detroit 9, Mich.
★GEGENHEIMER, Wm., 80 Roebling St., Brooklyn 1, N.Y.
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
MERIX Chemical Co., 1021 E. 55th St., Chicago 11, Ill.
★SIEBOLD, Inc., J. H. & G. B., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

DAMPENING ROLLER COVER

BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman, Chicago, Ill.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
GODFREY Roller Co., 211 N. Camac St., Philadelphia 7, Pa.
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, Inc., J. H. & G. B., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

DARK ROOM EQUIPMENT

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth, N. J.
BEATTIE Process Camera Corp., P. O. Box 70, Chatham, N. J.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 47, Ill.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
KELLOGG, Div. American Brake Shoe Co., 99 Humboldt St., Rochester 9, N.Y.
KENNO Graphics, Inc., 25 Commerce St., Chatham, New Jersey
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LEEDAL Stainless Steel Products, Inc., 2929 S. Halsted St., Chicago 8, Ill.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★NU ARC Company, 824 S. Western Ave., Chicago 12, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
PITMAN, Harold M., Co., 51st Ave., & 33rd St., Chicago 30, Ill.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
WILLIAMS, Brown & Earle, Inc., 904 Chestnut St., Philadelphia 7, Pa.
ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N.Y.

DECKLE-EDGING MACHINES

HEATH Die Co., 382 Lafayette St., New York 3, N.Y.
LESTER & Wesley Co., Inc., The, 513 N. Main St., Norwich, Conn.

DEEP ETCH METHODS, OFFSET LITHO, AND SUPPLIES

1 Methods
2 Supplies
1 2
★ANCHOR, Chemical Corp., Inc., 829 Bergen St., Brooklyn 16, N.Y.
2
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
2
CALIFORNIA Ink Co. Inc., 545 Sansome St., San Francisco, Calif.
2
DOM, G. C., Supply Co., 125 Pearl St., Cincinnati, Ohio
2
FLINT, Howard Co., 2546 Clark Ave., Detroit 9, Mich.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
2
GAETJENS, Berger & Wirth, 35 York St., Brooklyn, N.Y.
2
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
1 2
HILL-Henschel Co., 3928 Clayton Ave., St. Louis, Mo.
2
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
2
LE PAGE'S, Inc., Gloucester, Mass.
2
★LITHO Chemical & Supply Co., 46 Harriet Place, Lynbrook, L. I., N.Y.
1 2
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
1 2
METZGER, Alfred E., 30 Irving Place, New York 3, N.Y.
1 2
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6
2
PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
1 2
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago 6, Ill.
2
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
2
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
1 2
★SIEBOLD, Inc., J. H. & G. B., 150 Varick St., New York 13, N.Y.
2
★SINCLAIR & Valentine Co., Inc., 611 W. 129th St., New York 27, N.Y.
1 2
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
1 2

DELIVERIES, PRESS

1 Deliveries, Automatic Pile
2 Deliveries, Extension
3 Deliveries, Press to Bronzer
1 2 3
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
1 2
1 2 3
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
1 2
★DEXTER Folder Co., Pearl River, N.Y.
HEATH Die Co., 382 Lafayette St., New York 3, N.Y.
HICKOK, W. O., Mfg. Co., 423 Harrisburg, Pa.
1 3
HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.
1 2 3
HUDSON-Sharp Machine Co., Green Bay, Wis.
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
1
MEISEL Press Mfg. Co., Inc., 944 Dorchester Ave., Boston 25, Mass.
1 2
★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Illinois
1 2
RATHBUN & Bird Co., 379 W. Broadway, New York 12, N.Y.
1 2
SPECIALTY Automatic Machine Co., 200 Boston Ave., Medford, Mass.
1
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
1 2

DEVELOPING TROUGHS AND SINKS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
BROWN, W. A., Mfg. Co., 2035-49 W. Charleston St., Chicago 47, Ill.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
BROWN Coating Eqpt. Co., Wellston, Ohio
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
GRAPHIC Arts Center, 506 N. Burrowes St., State College, Pa.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
LEEDAL Stainless Steel Products, Inc., 2929 S. Halstead St., Chicago 8, Ill.
MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
MOTTER'S, George F. Sons, 132 S. Pershing Ave., York, Pa.
PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago, Ill.
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago 18, Ill.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 100 6th Ave., New York 13, N.Y.
U. S. Stoneware Co., 60 E. 42nd St., New York 17, N.Y.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

DIAPHRAGMS, CAMERA

CHEMCO Photoproducts Co., New Street, Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
GOODRICH, B. F., Co., 434 S. Main St., Akron, Ohio
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago
UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N.Y.

DIAPHRAGM CONTROLS

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
BRISTOL Co., Waterbury 20, Conn.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago
VULCAN Rubber Products, Inc., 58th S. & 1st Ave., Brooklyn 20, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

DICTIONARIES

FUNK & Wagnalls, 153 E. 24th St., New York 10, N.Y.
MERRIAM, G. & C., Co., 47 Federal St., Springfield 2, Mass.

DIE-CUTTING LUMBER (See Wood, Blocking, etc.)

DIE-CUTTING MACHINES

1 Hollow Dies
2 Upright
1 2
ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
1
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5, Ohio
1 2
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
2

1 2
HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore, Md.
2
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York N.Y.
1 2
PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
1
ROBINSON, John T., Co., Hyde Park 36, Mass.
2
SHERIDAN, T. W. & C. B., Co., 135 Lafayette, New York 13, N.Y.
2
SOUTH Wabash Engineering Co., 203 N. Wabash Ave., Chicago, Ill.
1 2
STANDARD Machinery Co., The, Mystic, Conn.
2
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

DIE-CUTTING PRESSES

ARTISTIC Die Mfg. Co., 2306 W. 8th St., Cincinnati
★BRANDTJEN & Kluge, Inc., Como at Gaultier St., St. Paul, Minn.
★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
★LAWSON, E. P., Co., 426 W. 33rd St., New York 1, N.Y.
★MILLER Printing & Machinery Co., 1117 Reedsdale St., Pittsburgh 12, Pa.
SMITH & Winchester Mfg. Co., So. Windham, Conn.
STANDARD Paper Box Machine Co., 133 Bleecker St., New York, N.Y.
THOMSON-National Press Co., Dean Ave., Franklin, Mass.

DIE-HEATERS (For Hot Embossing and Smashing)

ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.
THOMSON-National Press Co., Dean Ave., Franklin, Mass.

DIE-MAKING MATERIALS (Also see Rule)

1 Cork Composition
2 Cork-Rubber Composition
3 Rubber, Sponge
4 Rule, Brass
5 Rule, Steel
6 Steel Rule Cutters

1 2 3 4 5 6
★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
2 3 5
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
5
BAR-PLATE Mfg. Co., Boston Post Road, Orange, Conn.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
1 2
GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
3
HALE, Frank D., 64 Tonnele Ave., Jersey City 6, N. J.
5
HEATH Die Company, 382 Lafayette St., New York 3, N.Y.
HELMOLD, J. F., & Bro., Inc., 1462 Shakespeare Ave., Chicago 14, Ill.
5 6
MARKEL Products Co., 892 Larimer St., Brooklyn 22
1 2 3 5
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
1 2 3 5 6
SIMONDS Saw & Steel Co., 470 Main St., Fitchburg, Mass.
★WILSOLITE Corp., 1827 Niagara St., Buffalo 7, N.Y.
3

DIES, CUTTING AND EMBOSSING (One Operation)

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York, N.Y.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
EMBOSSOGRAPH Corp., 38 W. 21st St., New York, N.Y.
HEATH Die Co., 382 Lafayette St., New York 3, N.Y.
HOOLE Machine & Engraving Co., 30 Main St., Brooklyn, N.Y.
RINGLER, F. A., Co., 39 Barclay St., New York, N.Y.
SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.
SCHULTZ, E. C., & Co., 712 Federal St., Chicago, Illinois

DIES, HOLLOW

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10
AMERICAN Fabricators, 22 W. 21st Street, New York 10, N.Y.
FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
HEATH Die Co., 382 Lafayette St., New York 3, N.Y.
SCHULTZ, E. C., & Co., 712 Federal St., Chicago, Illinois
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

DIES, SPECIAL FOR BOOKBINDERS AND SPECIATY MFRS.

AMERICAN Fabricators, 22 W. 21st St., New York, N.Y.
★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
ALVIN Co., 215 W. 20th St., New York 11, N.Y.
CUTWELL Steel Rule Die Co., 285 Lafayette St., New York 12, N.Y.
FREEDMAN Die Cutters, Inc., 128 Lafayette St., New York 12, N.Y.
FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
G. B. C. Die and Manufacturing Co., 812 W. Belmont Ave., Chicago 14, Ill.
HEATH Die Co., 382 Lafayette St., New York 3, N.Y.
SCHMIDT, Geo. T., Inc., 4108 N. Ravenswood Ave., Chicago 13, Ill.
SCHULTZ, E. C., & Co., 712 Federal St., Chicago 5
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

DIES, STEEL RULE (See Steel Rule Cutting Dies)

DIE-STAMPING PRESSES AND ROLL LEAF HOT STAMPING ATTACHMENTS

1 Die-Stamping Presses
2 Roll Leaf Hot Stamping

1 2
ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
1 2
COE, W. H., Mfg. Co., 5414 W. Madson, Chicago, Ill.
COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N.Y.
2
KINGSLEY Stamping Machine Co., 850 Cahuenga Blvd., Hollywood 28, Cal.
1 2
MARKEM Machine Co., Congress St., Keene, N. H.
2
MATTHEWS, James H., & Co., 3951 Forbes St., Pittsburgh, Pa.
2
OLSEN Mark Corp., 124 White St., New York, N.Y.
3
PEERLESS Roll Leaf Company, 4511 New York Ave., Union City, New Jersey
1 2
ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn
1
STANDARD Machinery Co., Mystic, Conn.
1
STOLP-Gore Co., 710 W. Jackson Blvd., Chicago 6
1 2

DIE-STAMPING PRESSES, STEEL DIE PRINTING AND EMBOSSING COPPERPLATE PRESSES AND SUPPLIES

CRONITE Co., The, 88th and Hudson Blvd., North Bergen, N. J.
OLNEY Machine Works, 4841 Rising Sun Ave., Philadelphia 20, Pa.
OLSENMARK Corp., 124 White St., New York 13
PARSONS & Whittmore, Inc., 250 Park Ave., New York 17, N.Y.
ROOVERS Bros., Inc., 3611 14th Ave., Brooklyn

DIRECT PROJECTION MACHINE (See Cylinder Making Equipment)

DISTRIBUTOR ROLLERS, RECIPROCATING (Vibrators)

ACME Printing Appliance Co., 9455 Seymour Ave., Schiller Park, Ill.
BINGHAM'S, Sam'l, Son Mfg. Co., 636 Sherman St., Chicago 5, Ill.
★CHALLENGE Machinery Co., Grand Haven, Mich.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
★GEGENHEIMER, William, 80 Roebling St., Brooklyn 1, N.Y.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.

DOCTOR BLADE, GRINDING MACHINES

HANCHETT Mfg. Co., 906 N. State, Big Rapids, Mich.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
LEHMANN, J. M., Co., Inc., 568 New York Ave., Lyndhurst, N. J.
MOTTER'S, George F., & Sons, 132 S. Pershing Avenue, York, Pa.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

DOLLIES, PAPER ROLL

★CLINE Electric Mfg. Co., 3405 W. 47th, Chicago
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
Lewis-Shepard Products, Inc., 239 Walnut Street, Watertown 12, Mass.
MARKET Forge Co., 30 Garvey St., Everett, Mass.
NOLAN Corp., 1333 E. Dominick St., Rome, New York
NUTTING Truck & Caster Co., Inc., 1125 W. Division St., Faribault, Minn.
REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N. J.

DOUBLE ROLLING DEVICE (Miehle V)

BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
FARNSWORTH, John, Bourse Bldg., Philadelphia 6
GRAPHIC Arts Accessories, 398 Marquette Bldg., Detroit, Mich.
SPECIALTY Printing Eqpt. Co., 1617 Vandalia St., Cincinnati, Ohio
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.

DRAWSHEETS AND TYMPANS, CYLINDER, ROTARY AND PLATEN PRESS (See Cylinder, Rotary and Platen Press Drawsheets and Tympans)

DRIERS (See Ink Driers)

DRILLING AND SLOTTING EQUIPMENT

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth, N. J.
BERRY Machine Co., 716 N. First St., St. Louis, Mo.
★CHALLENGE Mchy. Co., Grand Haven, Mich.
★FOSTER Mfg. Co., 333 S. Broad St., Philadelphia 7, Pa.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
HELMOLD, J. F., & Bros., 1462 W. Shakespeare Ave., Chicago 14, Ill.
JONES, James H., Co., 808 W. Washington St., Chicago, Ill.
LASSCO Products, Inc., 485 Hague St., Rochester 6, N.Y.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1
MICK, Walter, K., Co., 500 Robert St., St. Paul 1, Minn.
MULLER, Chas. A., Co., 153 Lafayette St., New York
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
★NYGREN-Dahley Co., Inc., 1422 W. Altgeld St., Chicago, Ill.
★PIONEER-Toledo Corp., 1130 Nebraska Ave., Toledo 2, Ohio
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
SUPER Speed Printing Machinery, Inc., 1712 East 27th St., Cleveland 14, Ohio
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
WALLIN Printers Supply Co., 309 S. 13th St., Omaha, Nebr.

DROSS SIFTER

MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.

DRY PLATE NEGATIVE MATERIALS

CRAMER, G., Dry Plate Co., 1835 Shenandoah Ave., St. Louis 4, Mo.
CONSOLIDATED Hammer Dry Plate & Film Co., 2711 Miami St., St. Louis 18, Mo.
EASTMAN Kodak Co., Rochester 4, N.Y.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

DRYING CABINETS FOR NEGATIVES AND PRINTS

CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
SIMPLEX Specialty Co., Inc., 116 W. 14th St., New York, N.Y.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

E

EASELS, CARDBOARD

ALVIN Co., 215 W. 20th St., New York 11, N.Y.
FREEDMAN Die Cutters, Inc., 281 Lafayette St., New York 12, N.Y.

EDITION MARKERS, NEWSPAPER

★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.

EGGSHELLING MACHINES (See Embossing Machines, Roller)

EJECTOR PRESS PUNCHES
★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
DUDLEY, Kenneth E., Co., Box 806, Hagerstown, Md.
HELMOLD, J. F., & Bros., 1462 W. Shakespeare Ave., Chicago 14, Ill.
MARKEL Products Co., 892 Lorimer St., Brooklyn 22, N.Y.
★RICHARDS, J. A., Co., The, 903 N. Pitcher St., Kalamazoo 13F, Mich.

ELECTRIC EYE REGISTER CONTROL
BECK, Chas., Machine Corp., 44 Church Road, King of Prussia, Pa.
CAMERON Machine Co., 61 Popular St., Brooklyn 2
★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 6, Ill.
ELECTRIC Eye Equipment Co., 1930 E. Fairchild St., Danville, Ill.
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
POTDEVIN Machine Co., Inc., 226 North Street, Teterboro, N. J.
SMITH & Winchester Mfg. Co., South Windham, Conn.
WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

ELECTRICITY GENERATORS
ALLIS-Chalmers Mfg. Co., 1127 S. 70th St., Milwaukee 2, Wis.
CATERPILLAR Tractor Co., Peoria, Ill.
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
RELIANCE Electric & Engineering Co., 1088 Ivanhoe Road, Cleveland 10, Ohio

ELECTRONIC MOTOR CONTROLS
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee
ELECTRON Equipment Corp., Box 229, South Pasadena, Calif.
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
RELIANCE Electric & Engineering Co., 1088 Ivanhoe Road, Cleveland 10, Ohio

ELECTROTYPE BEARERS
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City, N.Y.
ECONOMY Printers Products Co., Inc., 609 S. La Salle St., Chicago 5, Ill.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
PRINTERS Supply Service, 719 S. Dearborn St., Chicago 5, Ill.

ELECTROTYPERS' PLATING EQUIPMENT
HANSON-Van Winkle-Munning, Mattawan, N. J.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.

ELEVATORS, PAPER HANDLING (Tiering Machines)
AUTOMATIC Transportation Co., 101 W. 87th St., Chicago, Ill.
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
EASTON Car & Construction Co., Easton, Pa.
ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.
ELWELL Parker Electric Co., 4517 St. Clair Ave., Cleveland, Ohio
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
LINK-Belt Company, 307 N. Michigan Ave., Chicago 1, Ill.
LEWIS-Shepard Products Inc., 239 Walnut St., Watertown 12, Mass.
MARKET Forge Co., 109 Garvey St., Everett 49, Mass.
NOLAN Corp., 1333 E. Dominick St., Rome, New York
★PAASCHE Airbrush Co., 1909 Diversey Pkwy., Chicago 14, Ill.
REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N.Y.
SERVICE Caster & Truck Corp., 681 N. Brownswood Ave., Albion, Mich.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine

EMBOSSING MACHINES, ROLLER (Eggshelling, Pebbling, Roughing and Stippling)
CAVAGNARO, John J., 5th & Essex Sts., Harrison, N. J.
HUDSON-Sharp Machine Co., Green Bay, Wis.
KNOWLTON, M. D., Co., Rochester, N.Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
MARCONETTI, A. E., Inc., New York, N.Y.
PAPER Converting Machine Co., Green Bay, Wis.
POTDEVIN Machine Co., Brooklyn 18, N.Y.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N.Y.
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
WALDRON, John, Corp., New Brunswick, N. J.

EMBOSSING MACHINES, ROLLER, ROLLS (Embossing Cylinders)
BINGHAM's, Sam'l, Sons Mfg. Co., 636 Sherman St., Chicago 5, Ill.
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

EMBOSSING MACHINES, UPRIGHT
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N.Y.
PAPER Converting Machine Co., 601 Harvey, Green Bay, Wis.
PARSONS & Whittmore, Inc., 250 Park Avenue, New York 17, N.Y.
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
STANDARD Machinery Co., Mystic, Conn.

EMPLOYMENT SERVICE
★GRAPHIC Arts Employment Service, 307 E 4th St., Cincinnati, Ohio

ENGRAVED STATIONERY FOR THE TRADE
ECKER & Willecker & Co., 414 N. 12th St., St. Louis 1, Mo.
SIEGRIST Engraving Co., 924 Oak St., Kansas City 42, Missouri

ENGRAVING MACHINES FOR METAL, BANK NOTES, etc.
CRONITE Co., 88th St. & Hudson Blvd., North Bergen, N. J.
GORTON, George, Machine Co., 1320 Racine St., Racine, Wis.

ENGRAVING MACHINES FOR PLASTIC PLATES
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
FAIRCHILD Graphic Equipment, Inc., 88-06 Van Wyck Expressway, Jamaica 1, New York

ENGRAVING PANTAGRAPH, MACHINE FOR WOOD
OLSEN Mark Corp., 124 White St., New York 13, N.Y.
STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

ENVELOPE MAKING MACHINES
LESTER & Wasley Co., Inc., 513 N. Main St., Norwich, Conn.
Moore, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
PEARCE Development Co., 1606 East 30th St., Cleveland 14, Ohio
SMITHE, F. L., Co., 633 W. 44th St., New York, N.Y.
STANDARD Duplicating Machines Corp., 1935 Revere Beach P'kw'y, Everett 49, Mass.
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul 4, Minn.

ENVELOPE OPENERS
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
★PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.

ENVELOPE SEALING MACHINES
AMSCO Packaging Mchy. Co., 31-31 48th Ave., Long Island City, N.Y.
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
★PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.
SEAL-O-Matic Dispenser Corp., 52 W. Houston St., New York, 12, N.Y.
STANDARD Duplicating Machines Corp., 1935 Revere Beach Pkwy., Everett 49, Mass.

ESTIMATING GUIDES
1 Ink Consumption
2 Job Printing Cost
3 Paper
4 Type Conversion Rules

1 2 3 4
BALDWIN Paper Co., 233 Spring St., New York
3
CLEVELAND Paper Co., Gale Craig, 1640 Superior Ave., Cleveland 14, Ohio
4
HOCH, Fred W., Associates, Inc., 461 Eighth Ave., New York 1, N.Y.
1 2 3 4
PORTE Publishing Co., 952 E. 21st South St., Salt Lake City 5, Utah
2
★SINCLAIR & Valentine, 611 W. 129th St., New York 27, N. Y.
1

ETCHES, STEEL and COPPER PLATE
CRONITE Co., The, 88th & Hudson Blvd., North Bergen, N. J.
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6

ETCHING MACHINES
AURORA School of Photoengraving, Aurora, Mo.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BROWN, W. A., Mfg. Co., 2035 Charleston Ave., Chicago 47, Ill.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
CRONITE Co., The, 88th & Hudson Blvd., North Bergen, N. J.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Michigan
EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10, N.Y.
HOLMSTROM, Axel, Etching Machines, 321 Walnut St., Philadelphia, Pa.
MASTER Etching Machine Co., Inc., 127 Greenwood Ave., Wyncote, Pa.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago 6
SULLEBARGER, E. T., Co., 110 Fulton St., N.Y. 7, N.Y.
U. S. Stoneware Co., 60 E 42nd St., New York 17

ETCHING MACHINES for MARKING
IDEAL Industries, Inc., 6001 Park Ave., Sycamore, Ill.

EXHAUST SYSTEMS
DE VILBISS Co., 300 Phillips Ave., Toledo, Ohio
GENERAL Research & Supply Co., 527 S. Division, Grand Rapids, Mich.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.

EYELETTING, BRASS
FREEDMAN Die Cutters, Inc., 281 Lafayette St., New York 12, N.Y.
★STANDARD Tag Co., 116 Duane St., New York

EYELETTING MACHINES (See Tag Machinery)
BATES Mfg. Co., 30 Vesey St., New York 7, N.Y.
MAGATAG Co., 2 Linden St., Reading, Mass.
UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.
WAKEFIELD Machine Co., Inc., Wakefield, Mass.

EYELETS
AMERICAN Brass Co., Waterbury 20, Conn.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N.Y.
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.

EYELETS, TELESCOPIC (Plastic)
KIRK, F. J., Molding Co., Brook St., Clinton, Mass.

F

FANS, PRESS ROLLER COOLING
AMERICAN Blower Corp., Box 58, Roosevelt Park Annex, Detroit 13, Mich.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
TRANE Co., 2nd & Cameron Ave., La Crosse, Wis.

FANS, PROPELLER
AMERICAN Blower Corp., Detroit 32, Mich.
EMERSON Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
TRANE Co., 2nd & Cameron Ave., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

FANS, VENTILATING
AMERICAN Blower Corp., Detroit 32, Mich.
EMERSON Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
GENERAL Electric Co., 1 River Rd., Schenectady
ILG Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
TRANE Co., The, La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.
WING, L. J., Mfg. Co., 154 W. 14th St., New York

FASTENERS, PAPER
BOSTITCH, Inc., Mechanic St., Westerly, Rhode Island
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
GRAMMES, L. F., & Sons, 352 Union St., Allentown, Pa.
HELLER Corp., The, 2135 Superior Ave., Cleveland 6

STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N.Y.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
WILSON-Jones Co., 300 W. Franklin Blvd., Chicago, Ill.

FEATHER EDGING MACHINES

LESTER & Wasley Co., 513 N. Main St., Norwich, Conn.

FEEDERS

1 Cardboard Feeders
2 Cylinder Press Feeders
3 Envelope Feeder (Two-up)
4 Folding Machine
5 Gumming Machine
6 Perforating Machine
7 Platen Press
8 Roll Leaf
9 Roll Paper
10 Ruling Machine
11 Rotary Press, Sheet-fed
12 Stream Feeders

1 2 3 4 5 6 7 8 9 10 11 12
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbit Road, Cleveland, Ohio 11
ALVIN Co., 215 W. 20th St., New York 11, N.Y. 7
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass. 2
★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa. 2
★BRANDTJEN & Kluge, Inc., Gaultier St. & Como Ave., St. Paul, Minn. 7
CAMERON Machine Co., 61 Poplar St., Brooklyn 2, N.Y. 9
CHAMBERS Bros. Co., 52nd & Media Sts., Philadelphia, Pa. 2
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio 1 2 3 7
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I. 9 11
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Illinois 2 11
★DEXTER Folder Co., Pearl River, N.Y. 1 2 4 11 12
GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich. 1 2 12
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa. 1 4 5 6 9 10
HOLLINGWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md. 2 7 10
HUDSON-Sharp Machine Co., Green Bay, Wis. 1 9 11
KOHLER Systems Company, 159 E. Chicago Ave., Chicago 11, Illinois 9
★McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn. 9 10 11
MAGNACRAFT Mfg. Co., 3138 W. Chicago Ave., Chicago 22, Ill. 3 9 12
NAGEL-Ryan Mfg. Co., Inc., 4363 Woodward Ave., Royal Oak, Mich. 9
NEW Jersey Machine Corp., Hoboken, N. J. 5
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J. 8
SCOTT, Walter, & Co., 525 South Ave., Plainfield, N. J. 9
SPECIALTY Automatic Machine Co., 200 Boston Ave., Medford, Mass. 4
SUPER Speed Printing Machinery, Inc., 1712 E. 27th St., Cleveland 14, Ohio 1 2 4 12
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio 1 2 4 12
ZANETTI, A. D., Machine Works, Inc., 1630 Jerrold Ave., San Francisco, Calif. 10

FEEDERS, METAL, FOR COMPOSING MACHINES

COFFING Hoist Co., 800 Walters St., Danville, Ill.
★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N.Y.
★LINOTYPE Maintenance Co., 273 Broadway, New York 1, N.Y.
★LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N. J.
MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N.Y.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 3, N.Y.
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
MONTGOMERY Co. Inc., Pratt Avenue, Towanda, Pa.
STREAMLINE Metal Feeder Co., 106 Walker St., New York 13, N.Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
UNITED American Metals Corp., Calyer & Diamond Sts., Brooklyn 22, N.Y.

FEEDING ATTACHMENTS, CARBON FORMS

STANDARD Register Co., 626 Albany St., Dayton 1

FIBER SIGN PASTER FOLDER

ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.

FILM CEMENT

CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
EASTMAN Kodak Co., Rochester 4, N.Y.
LOX Mfg. Co., 3310 E. 31st St., Kansas City 3, Mo.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

FILM GUIDE MACHINES

YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

FILM HOLDERS

BROWN Coating Eqpt. Co., Wellston, Ohio
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

FILM, PAPER, PLATES

★ANSCO, 40 Charles St., Binghamton, N.Y.
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco, Cal.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Hammer Dry Plate & Film Co., 2711 Miami St., St. Louis 18, Mo.
CRAMER Dry Plate Co., G., Lemp & Shenandoah Ave., St. Louis, Mo.
DEFENDER Photo Supply, Inc., 666 Driving Park Ave., Rochester, N.Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26
DU PONT, E. I. de Nemours Photo Products Dept., 1428 Nemours Bldg., Wilmington 98, Del.
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
GEVAERT Co. of America, Inc., 423 W. 55th St., New York, N.Y.
★HALOID Co., 53-219 Haloid St., Rochester, N.Y.
ILFORD, Limited, 316 W. Washington St., Chicago 6
PHILLIPS & Jacobs, 622 Race St., Philadelphia
WILLIAMS, Brown & Earle, Inc., 904 Chestnut St., Philadelphia 7, Pa.

FINISHING EQUIPMENT, ELECTROTYPERS' AND STEREOTYPERS'

★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
★GOSS Printing Press Co., 153 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles, Calif.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

FIRE EXTINGUISHERS AND REFILLS

AMERICAN-La France Corp., 158 E. LaFrance St., Elmira, N.Y.
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
DIENER, Geo. W., Mfg. Co., 400 N. Monticello, Chicago 24, Ill.
PYRENE Mfg. Co., 560 Belmont Ave., Newark 8
RANDOLPH Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WIL-X Mfg. Co., subsidiary, Mergenthaler Linotype Co., 44 Ryerson St., Brooklyn, N.Y.

FLANNELS

BEST, Edward, & Co., P. O. Box 1752, Boston, Mass.
CORKPAK Co., 70 Argyle Ave., New Rochelle, N.Y.
FUCHS & Lang Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
GODFREY Roller Co., 211 N. Camac St., Philadelphia 7, Pa.
HOUSE, Chas. W., & Sons, Inc., 505 5th Ave., New York 17, N.Y.
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR-Valentine Co., 611 W. 129th St., New York 27, N.Y.

FLOCK

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.
CLAREMONT Waste Mfg. Co., Claremont, N. H.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
RAYON Processing Co., 1 Mesbasuck St., Pawtucket, R. I.

FLOCK PRINTING SUPPLIES

CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.
GENERAL Research & Supply Co., 527 S. Division, Grand Rapids, Mich.
NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

FLOOR POLISHING and SCRUBBING MACHINES

BREUER Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago, Ill.
HILD Floor Machine Co., 740 W. Washington Blvd., Chicago, Ill.
TENNANT, G. H., Co., 2530 N. Second St., Minneapolis 11, Minn.
WEST Disinfecting Co., 42-16 West St., Long Island City, 1, N.Y.

FLOORING

JENNISON-Wright Corp., 2463 Broadway, Toledo
STONHARD Company, 1306 Spring Garden St., Philadelphia 11, Pa.
U. S. Stoneware Co., 60 E. 42nd St., New York 17, N.Y.

FLUORESCENT and PHOSPHORESCENT PRODUCTS

CAMDEN Ink & Color Co., 1001 Market St., Camden, N.J.
CENTRAL Compounding Company, 1718 N. Damen Ave., Chicago, Ill.
CONTINENTAL Lithograph Corp., 952 E. 72nd St., Cleveland 8, Ohio
CRAFTINT Mfg. Co., 1615 Collamer St., Cleveland 13, Ohio
FRINK, Corp., The, 27-01 Bridge Plaza North, Long Island City, N.Y.
GENERAL Research & Supply Co., 527 S. Division Ave., Grand Rapids, Mich.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
SWITZER Brothers, Inc., 4732 St. Clair Ave., Cleveland 3, Ohio
U. S. RADIUM Corporation, 535 Pearl St., New York 7, N.Y.

FLUORESCENT PROCESS—COLOR CORRECTION

EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
FRINK, Corp., The, 27-01 Bridge Plaza North, Long Island City, N.Y.
GRAPHIC Arts Corp., 110 Ottawa, Toledo, Ohio
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1

FLYING PASTERS FOR PRESSES

★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
FORD Instrument Co., 31-10 Thomson Ave., Long Island City 10, N.Y.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
KOHLER System Co., 159 E. Chicago Ave., Chicago
WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N.Y.

FOIL AND LEAF

1 Aluminum Bronze Powder
2 Aluminum Foil, Plain and Colored
3 Copper Foil
4 Colored Gold Foil and Leaf
4a (color) Bronze Powder Fluorescent
5 Gold Leaf, Roll
6 Gold Leaf, Sheet and Aluminum Leaf, Sheet and Roll
7 Imitation Gold Foil and Leaf
8 Lead and Tin Foil
9 Palladium Leaf
10 Plastic Marking Foil and Leaf
11 Silver Foil and Leaf

1 2 3 4 5 6 7 8 9 10 11
ALL Purpose Gold Corp., 37 W. Century Road, Paramus, N. J. 2 3 4 5 6 9
ALLIED Finishing Specialties, 2639 W. Grand Ave., Chicago 12, Ill. 1
ALUMINUM Co. of America, 801 Gulf Building, Pittsburgh 19, Pa. 1
ATLANTIC Powdered Metals, Inc., 38 Park Row, New York 1, N.Y. 1 11
BAER Brothers, 438 W. 37th St., New York 18, N.Y. 1 4 5 6
BOTH, O. A., Corp., 2306 Washington St., Newton Lower Falls, Mass. 1
COE, W. H., Mfg. Co., 5414 W. Madison, Chicago, Ill. 4 5 6 7 10 11
COUGHLIN Mfg. Co., 697-699 E. 132nd St., New York 54, N.Y. 4 5 6 7 11
EMBOSSOGRAF Corp., 38 West 21st St., New York 4 5 6 7
FEDERATED Metals Div., American Smelting & Refining Co., 120 Broadway, New York 15, N.Y. 7

1 2 3 4 5 6 7 8 9 10 11
GANE Brothers & Lane, Inc., 1355 W. Lake St., Chicago 6, Ill.
1 2 3 4 5 6 7 8 9
GRAUERT, R. W., Inc., 66 W. Broadway, New York
4 6 7
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N.Y.
3 4 5 7 10 11
HASTINGS & Co., Inc., 2318 Market St., Philadelphia 3, Pa.
4 5 6 7 9 10 11
ILLINOIS Bronze Powder Co., 2023 S. Clark St., Chicago 16, Ill.
1 6 7
JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.
2 4 8
KINGSLEY Stamping Machine Co., 850 Cahuenga Blvd., Hollywood 38, Calif.
2 3 4 5 6 9 10
★BLATCHFORD Div. National Lead Co., 111 Broadway, New York
8
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.
2 3 4 5 6 9 10
REYNOLDS Metals Co., 2500 S. Third St., Louisville, Kentucky
2 4 7 8
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
1
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
1
SWIFT, M., & Sons, Inc., 10 Love Lane, Hartford, Conn.
1 5 6 7 9 10 11
SWITZER Brothers, Inc., 4732 St. Clair Ave., Cleveland 3, Ohio
4a
WEHRUNG & Billmeier Co., 3624 Lincoln Ave., Chicago 13, Ill.
6 9

FOIL, ELECTROTYPERS'

DIVISION Lead Co., 7742 W. 61st Place, Summit, Ill.
FEDERATED Metals Div., American Smelting & Refining Co., 120 Broadway, New York 15, N.Y.
JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.
REYNOLDS Metals Co., 2500 S. Third St., Louisville, Kentucky
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N.Y.

FOLDING MACHINES AND PRESS-ATTACHED FOLDERS

1 Folding Machines, Commercial Job
2 Folding Machines, Fanfold
3 Folding Machines, Letter
4 Folding Machines, Magazine
5 Folding Machines, Newspaper
6 Folding Machines, Quire & Section
7 Folders (press-attached), Magazine
8 Folders (press-attached), Newspaper
9 Folders, Specialty

1 2 3 4 5 6 7 8 9
ADDRESSING Machine & Equip. Co., 326 Broadway, New York, N.Y.
1
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbit Rd., Cleveland, Ohio
3
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago, Illinois
1 9
BABCOCK Printing Press Corp., 800 Waynesburg Rd., S. E. Canton 1, Ohio
7 8 9
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
9
★BAUM, Russell Ernest, 615 Chestnut St., Philadelphia 6, Pa.
1 3 4 5 9
BROWN Folding Machine Co., 3771 Chester Ave., Cleveland 14, Ohio
1 4 5 9
CHAMBERS Bros. Co., 52nd & Media Sts., Philadelphia, Pa.
1 9
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
7 9
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Illinois
3
★DEXTER Folder Co., Pearl River, N.Y.
1 3 4 5 7 9
EMPIRE Metal Company, 820 E. Water St., Syracuse 3, N.Y.
7
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Illinois
7 8
★HOE, R., & Co., 910 E. 138th St., New York 54, N.Y.
7 8
★HUDSON-Sharp Machine Co., Green Bay, Wis.
9
KOHLER System Company, 159 E. Chicago Ave., Chicago 11, Illinois
7 9
MASTER Folding Machine Co., 3000 Woodhill Rd., Cleveland, Ohio
1

1 2 3 4 5 6 7 8 9
MENDES, J. Curry Co., 500 S. Clinton St., Chicago, Ill.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
3
MODERN Equipment Co., 2011 Cuming St., Omaha 2, Neb.
5 8
MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.
4 5 7 9
★NELSON, C. B., & Co., 508 S. Kolmar Ave., Chicago
9
PAPER Converting Mach. Co., Inc., 601 Harvey St., Green Bay, Wis.
9
★PITNEY-Bowes, Inc., Walnut & Pacific Sts., Stamford, Conn.
3
STAUDE, E. G., Div., the Sperry Corp., 2675 University Ave., St. Paul 4, Minn.
9
WALDRON, John, & Co., Inc., River Rd., New Brunswick, N. J
9
★WESTERN Printing Mchy. Co., 3519 N. Spaulding Ave., Chicago, Illinois 7 9

FOLDING, QUIRE, MACHINES

★McADAMS, John & Sons, 20 Knight St., Norwalk, Conn.

FORMERS AND SCORCHERS

BATES Mfg. Co., 30 Vesey St., New York 7, N.Y.
FERGUSON, J. L. Co., P.O. Box 1196, Joliet, Ill.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
HAMMOND Machinery Builders, Inc., 1604 Douglas Ave., Kalamazoo 54, Mich.
★HOE, R., & Co., Inc., 910 E. 138th St., New York
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

FOUNTAIN DIVIDERS, INK

ACME Printing Appliance Co., 9455 Seymour Ave., Schiller Park, Ill.
BAR-PLATE Mfg. Co., Boston Post Road, Orange, Conn.
★DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
★HOE, R., & Co., 910 E. 138th St., New York 54
PAGE, Robert R., 41 Union Square, New York 3
★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio

FOUNTAINS, INK, GUNS

DIAMANT Ink Gun, 140 W. 17th St., New York 11

FOUNTAINS, INK, NEWSPAPER, COLOR, PORTABLE

★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.

FOUNTAIN SOLUTIONS, OFFSET-LITHO

BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
★GEN. Printing Ink Co., Div. Sun Chemical Corp., 10th and 44th Ave., Long Island City 1, N.Y.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11,
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
★LITHO Chemical & Supply Co., 46 Harriet Pl., Lynbrook, L.I., N.Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia 6, Pa.
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., 150 Varick St., New York
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

FURNACES, METAL

1 Remelting Composing Room (Pig Molds and Tools)
2 Stereotype

1 2
FISHER Furnace Div., Lindberg Engineering Co., 2450 W. Hubbard St., Chicago 12, Ill.
1 2
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
2
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1 2
IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
1
INDEPENDENT Electric Machinery Co., 300 Southwest Blvd., Kansas City 8, Mo.
1

1 2
★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N.Y.
1
JOHNSON Gas Appliance Co., 520 "E" Ave., Cedar Rapids, Iowa
2
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore
1 2
MARGACH Mfg. Co., Inc., 82 Beekman St., New York 7, N.Y.
1
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
1
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
MONOMELT Company, 1611 Polk St. N.E., Minneapolis 13, Minn.
1
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
1 2
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
2
SURFACE Combustion, Toledo 1, Ohio
1
UNITED American Metals Corp., Calyer & Diamond Sts., Brooklyn 22, N.Y.
1 2
UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.
1 2
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
2
WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N.Y.
2

FURNITURE

1 Composition
2 Iron
3 Wood
4 Magnesium

1 2 3 4
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1 2 3 4
AMERICAN Wood Type, 35 W. 3rd St., New York, N.Y.
3
AMSTERDAM Continental Types & Graphic Equip. Inc., 268 Fourth Ave., New York 10, N.Y.
5
BRADLEY, Milton, Co., 74 Park St., Springfield, Mass.
3
★CHALLENGE Machinery Co., Grand Haven, Mich.
2
★HAMILTON Mfg. Co., Two Rivers, Wis.
3
HILLS-McCanna, G. A. Div., 3025 N. Western, Chicago 18, Ill.
4
★IRWIN Manufacturing Co., Garland 1, Pa.
3
MONOMELT Company, 1611 Polk St. N.E., Minneapolis 13, Minn.
4
MORGANS & Wilcox Mfg. Co., 69 Hanford St. Middletown, N.Y.
2
PERFECTION Type, Inc., 141 East 5th Street, St. Paul 1, Minn.
1 2 3 4
STEPHENS, Samuel & Wickersham Quoin Co., 174 High St., Boston, Mass.
2 3
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N.Y.
3
THOMPSON Cabinet Co., Box 286, Ludington, Mich.
3

G

GALLEY LABEL HOLDER

★HAMILTON Manufacturing Co., Two Rivers, Wis.
METZ, Fred, 390 E. 162nd St., New York 56, N.Y.

GALLEYS AND GALLEY LOCKS

ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N.Y.
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
AMERICAN Wood Type, 35 W. 3rd St., New York, N.Y.
ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.
★CHALLENGE Machinery Co., Grand Haven, Mich.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★FOSTER Mfg. Co., 333 S. Broad St., Philadelphia 7, Pa.
GRAPHIC Arts Products, 540 W. Congress, Detroit, Mich.
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 19, N.Y.
★HAMILTON Mfg. Co., Two Rivers, Wis.
★LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N.J.
★MAYVILLE Metal Products Co., Mayville, Wis.

RIEHL Galley Lock Co., Inc., 748 E. 82nd St., Cleveland 3, Ohio
STANLEY Leverlock, Walter Y. Stanley, Hastings, Mich.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, N.Y.
THOMPSON Cabinet Co., Box 286, Ludington, Mich.

GATHERING AND STITCHING MACHINES
(See Collating and Gathering)

GAUGE PINS, GUIDES, GRIPPERS

CASPER Gripper Co., 2123 E. Ninth St., Cleveland, Ohio
GARDNER Adjustable Quad Guide, P. O. Box 3370, Rincon Annex, San Francisco 19, Calif.
GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
GRAPHIC Arts Laboratories, 549 W. Randolph St., Chicago, Ill.
★MEGILL, Edward L., Co., 761 Atlantic Ave., Brooklyn 38, N.Y.
SPECIALTY Printing Equipment Co., 1617 Vandalia St., Cincinnati, Ohio
STILES, Chas. L., 64 Hanford St., Columbus, Ohio

GAUGES, POWER, PAPER CUTTING MACHINES

★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
POWER Gauges, 304 Hudson St., New York 13

GAUGES AND TESTING INSTRUMENTS

1 Abrasion Tester
2 Casting Box
3 Color Fastness to Light
4 Color Matching
5 Make-up Gauge
6 Copyfitting Systems
7 Densitometer
8 Depthometer
9 Durometer
10 Dotvalhuescope
11 Halftone Dot Microscope
12 Inkometer
13 Matrix
14 Micrometer
15 Moisture
16 Paper
17 pH Comparator
18 pH Meter
19 Plate
20 Press Test Blocks
21 Roller Setting
22 Rules and Line Gauges
23 Saw
24 Scleroscope
25 Sheet Register
26 Slug
27 Stroboscope
28 Surface Pyrometer
29 Tachometer
30 Type High
31 Burst Tester
32 Halftone Screen Finder

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
AMERICAN Wood Type, 35 W. 3rd St., New York 12, N.Y.
30
AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N.Y.
14 16
29 31
ANALYTICAL Measurements, 585 Main St., St. Chatham, N. J.
ATLAS Elec. Devices Co., 361 West Superior St., Chicago 10, Ill.
3
BAUSCH & Lomb Optical Co., 681 St. Paul St., Rochester, N.Y.
7 11
BLACK Rock Mfg. Co., 189 Osborne St., Bridgeport 5, Conn.
21
BRISTOL Company, Waterbury 91, Conn.
18
29
BROWN & SHARPE Mfg. Co., Providence, R. I.
14 16 30
CADY, E. J., & Co., 630 Harlem, River Forest, Ill.
14 16 21
31
CAMBRIDGE Instrument Co., Inc., 3732 Grand Central Terminal, New York 17, N.Y.
15 18
28
★CHALLENGE Machinery Co., Grand Haven, Mich.
30
★CHAMPLAIN Co., Inc., 636 Eleventh Ave., New York 18, N.Y.
27
COMMERCIAL Engraving Publishing Co., 34 N. Ritter Ave., Indianapolis, Ind.
11
32
CORKPAK Co., Inc., 70 Argyle Ave., New Rochelle, N.Y.
11

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32

CRAFTSMAN Line-Up Table Corp., 49 River St., Waltham 54, Mass.
25
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia
23
DURANT Mfg. Co., Inc., 1979 N. Buffum St., Milwaukee 1, Wis.
29
DUST-LESS Equipment Co., 4021 19th St., N. E., Washington, D. C.
21
ELCO Typographic Service, Second & Dauber Sts., S. W., Canton 6, Ohio
6
GENERAL Electric Co., 1 River Rd., Schenectady 5
4
29
GLOGAU & Co., 1914 W. Birchwood, Chicago, Ill.
14 16
★GOSS Printing Press Co., 1435 S. Pauline St., Chicago 8, Ill.
2
30
HABERULE Co., 7 E 42nd St., New York 17
6 22
30
HANCHETT Mfg. Co., 906 N. State St., Big Rapids, Mich.
HANSON-Van Winkle-Munning, Matawan, N. J.
17 18
HART-Moisture-Meters, 1948 Grand Central Sta., New York 17, N.Y.
15
HOCH, Fred W., & Assoc., 401 Eighth Ave., New York, N.Y.
12
★HOE, R., & Co., 910 E. 138th St., New York 54
30
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
4 10
★INTERTYPE Corp., 360 Furman St., Brooklyn 2, New York
LA MOTTE Chemical Prod. Co., Towson 4, Md.
17
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
6
13
LITHOGRAPHIC Technical Foundation, 131 E. 39th St., New York 16, N.Y.
12
LONG Eng. Research Corp., 1000 Wheatsheaf Rd., Linden, N. J.
11
LUFKIN Rule Co., 1730 Hess St., Saginaw, Mich.
14 22
★MACBETH Arc Lamp Co., 141 Berkley St., Philadelphia, Pa.
3 4
MACBETH Daylighting Co., P. O. Box 950, Newburgh, N.Y.
4 7
18
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
16
MONOMELT Company, 1611 Polk St., N.E., Minneapolis 13, Minn.
19
30
MINDEN Paper Gauge Co., 230 W. 41st St., New York 18, N.Y.
16
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N.Y.
22
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill.
15
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
23
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
22
SIZE Control Co., Div. American Gauge & Machine Co., 35 E. Wacker Drive, Chicago 1, Ill.
8
16 19
23 26
STEWART-Warner Corp., 1826 Diversey Pkwy., Chicago, Ill.
29
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
8
TABER Instrument Corp., 111 Goundry St., N. Tonawanda, N.Y.
1 16
TAYLOR, W. A., & Co., 7300 York Road, Baltimore
17
TESTING Machines, Inc., 123 W. 64th St., New York 23, N.Y.
1 4 9
12 14 15 16 18
24 29 31
THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia 49, Pa.
12 16 18
28
TIME Saver Products Co., 44 Salina St., Pulaski, N.Y.
16 30
★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.
13 14 19
30
TOLEDO Scale Co., Toledo, Ohio
16

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32

TRIPLET Gauge, 14 Vanderwater St., New York 7, N.Y.
19
★VANDERCOOK & Sons, 3601 W. Touhy Ave., Chicago 45, Ill.
5
16 19 20 22
26 30
WALLIN Printers Supply, 309 S. 13th St., Omaha
23
WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.
27
WESTON Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark, N. J.
15 7
29
WILLIAMS, Brown & Earle, Inc., 904 Chestnut St., Philadelphia 7, Pa.
7 11
17 18
27
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
14

GRAINING MACHINE LININGS

AMERICAN Graded Sand Co., 2942 N. Ashland Ave., Chicago, Ill.
BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 49

GRAINING MACHINES, OFFSET-LITHO PLATES

AMSTERDAM Continental Types & Equip. Inc., 268 Fourth Ave., New York 10, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
★OXY-DRY Sprayer Co., 320 S. Marshfield Ave., Chicago 12, Ill.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N.Y.
SENEFELDER Co., 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
ZARKIN Machine Co., Inc., 34-19 10 St., Long Island City 6, N.Y.

GRAINING SANDS AND QUARTZ

CARBORUNDUM Co., Niagara Falls, N.Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
SENEFELDER Co., 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

GRINDING, CUTTING, DRILLING, POLISHING AND BUFFING MACHINES

BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Md.
BLACK Rock Mfg. Co., 189 Osborne St., Bridgeport, Conn.
BOICE-CRANE Co., 930 Central Ave., Toledo 6, Ohio
CHICAGO Wheel & Manufacturing Co., 1101 W. Monroe St., Chicago, Ill.
HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
HANCHETT Mfg. Co., 906 N. State St., Big Rapids, Mich.
HANEY, O. C., Co., 3859 Victoria Ave., Los Angeles 8, Calif.
HANSON-Van Winkle-Munning, Matawan, New Jersey
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic, N. J.

GUILLOTINE CUTTERS, PHOTO-ENGRAVERS

CHEMCO Photoproducts Co., Now St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
NU ARC Company, Inc., 824 S. Western Ave., Chicago 12, Illinois
PHILLIPS & Jacobs, 622 Race St., Philadelphia
★WESEL Manufacturing Co., 1141 N. Washington Ave., Scranton, Pa.

GUMMING, GLUING AND PASTING EQUIPMENT

1 Glue Pots and Kettles
2 Gluing, Gumming, Pasting Machines
3 Labeling
4 Lining
5 Mounting
6 Paper Covering
7 Stripping

1 2 3 4 5 6 7

ACME Electric Heating Co., 1217 Washington St., Boston, Mass.
1

1 2 3 4 5 6 7
ALTAIR Machinery Corp., 55-57 Vandam St., New York, N.Y.
7
ANDERSON, C. F., & Sons, 3225 Calumet, Chicago
1
BLACK & Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Md.
1
BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
7
CHAMBERS Bros. Co., 52nd & Media St., Philadelphia, Pa.
2
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
1 2 3 4 5 6
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
2
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kansas
2
DOEPEL, J. E., Co., 626 Race St., Philadelphia, Pa.
2
DURBROW & Hearne, 12 Wooster St., New York
2
G. B. C. Mfg. Co., 812 W. Belmont Ave., Chicago 14
2
GENERAL Electric Co., 1 River Road, Schenectady 5, N.Y.
1
GENERAL Research & Supply Co., 527 S. Division Ave., Grand Rapids, Mich.
1 2
GRAMMES, L. F., & Sons, Jordan & Union St., Allentown, Pa.
2 3
GRAPHIC Arts International Corp., 475 Fifth Avenue, New York, N.Y.
2 3 5
GRIFFIN, Campbell, Hayes, Walsh, 50 E. 21st St., New York, N.Y.
1 2
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn, N.Y.
2 3
HIGH Production Machine Co., Inc., 533 N. 11th St., Philadelphia 23, Pa.
2
HOLLINGSWORTH, William, Machinery Co., 227 Holliday St., Baltimore, Md.
2
INSTANTANEOUS Glue Converter Co., 2217 Iowa Ave., Cincinnati, Ohio
1
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
2
★KLEEN-Stik Products, Inc., 2900 S. Michigan Ave., Chicago, Ill.
2
LIBERTY Electric Co., Inc., 1915 Madison Ave., Indianapolis, Ind.
1
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.
2
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
1 2 3 4 5 6 7
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N.Y.
2
NEW Advance Machinery Co., 208 E. Central Ave., Van Wert, Ohio
1
NEW Jersey Machine Corp., 16th & Willow Ave., Hoboken, N. J.
2 3 4 7
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
2
PARRY, S. R., Machine Co., 222 Mill St., Rochester, N.Y.
3 4
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
2 5 7
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
SEAL-O-Matic Dispenser Corp., 52 W. Houston St., New York 12, N.Y.
2
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
2
SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.
2
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul 4, Minn.
2
STA-Warm Electric Co., Ravenna, Ohio
1
STOKES & Smith Co., Frankford Ave., Philadelphia
2
U. S. AUTOMATIC Box Machinery Co., 18 Arboretum St., Boston, Mass.
2 7
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.
WALDRON, John, Corp., New Brunswick, N. J.
2

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HEADBINDING MACHINES, BOOKBINDERS

FULLER, E. C., Co., 28 Reade St., New York 7, N.Y.
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.

HEATERS, SHEET and WEB DRYERS

1 Gas
2 Electric
3 Lamps, Infra Red
4 Ovens
5 Unit, Industrial
6 Web Dryers

1 2 3 4 5 6
ACME Electric Heating Co., 1217 Washington St., Boston 18, Mass.
2 4
ACME Printing Appliance Co., 9455 Seymour Ave., Schiller Park, Ill.
BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
1 2
★BRANDTJEN & Kluge, Inc., Gaultier at Como Ave., St. Paul 3, Minn.
2
CARRIER Corp., 300 South Geddes St., Syracuse 1, N.Y.
5
CRAIG Corp., 143 W. 20th St., New York, N.Y.
1
CRONITE Co., 88th and Hudson Blvd., North Bergen, N.J.
1 2 3
★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland
1 2 3 4 5 6
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
3 4
GAETJENS, Berger, Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
1 2
GENERAL Research & Supply, 527 S. Division, Grand Rapids, Mich.
1 2 4 5 6
HERBERT Products Inc., 74-32 Jamaica Ave., Woodhaven 21, N.Y.
1 2 3 4 5 6
HOLLINGSWORTH, Wm., Machine Co., 227 N. Holliday St., Baltimore 2, Md.
6
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
LANCE, Chester L., Co., 620 Browder St., Dallas 1
1
MARSHALL Son & Wheelock, Inc., 82 Lincoln St., Boston, 11, Mass.
2
MURRAY, D. J., Manufacturing Co., 1002-1024 Third St., Wausau, Wis.
5
★OFFEN, B. & Co., 168 N. Michigan, Chicago, Ill.
6
RATHBUN & Bird Co., 379 W. Broadway, New York 12, N.Y.
1
SELAS Corporation of America, Erie Ave. & D St., Philadelphia
1 4 5 6
STATIC Eliminator and Printing Press Heater Co., 239 Centre St., New York 13, N.Y.
1 2
TRANE Co., La Crosse, Wis.
5
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa. 5

HEATING, VENTILATING SYSTEMS

★BAHNSON Co., The, 1001 S. Marshall St., Winston-Salem, N. C.
CARRIER Corp., 300 S. Geddes St., Syracuse 1, N.Y.
MERCHANTS & Evans Co., 2035 Washington Ave., Philadelphia 46, Pa.
TRANE Co., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

HINGED PAPER COVERING MACHINE

GELB Company, Joseph, 52 Arlington St., Newark 2, N. J.

HOISTS, PAPER ROLL, HAND AND ELECTRIC

★ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.
REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N. J.
RICHARDS-Wilcox Manufacturing Co., 176 Third St., Aurora, Ill.
SHAW Box, Crane & Hoist Div., Manning, Maxwell & Moore, Inc., Muskegon, Mich.
YALE & Towne Manufacturing Co., 11,000 Roosevelt Blvd., Philadelphia 15, Pa.

HOT SPOT CARBONIZING EQUIPMENT

★DOVEN Machinery & Engineering Co., 2706 W. Van Buren St., Chicago, Ill.

HUMIDORS, MATRIX, STEREOTYPE

NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N.Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.

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IMAGE REVERSERS, STRAIGHT LINE

CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
GELB, Company, Joseph, 52 Arlington St., Newark 2, N. J.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
PICTORIAL Machinery Ltd., Crawley, Sussex, England

IMAGE REVERSING LENSES, STRAIGHT LINE

AMSTERDAM Continental Types & Graphic Equipment Inc., 268 Fourth Ave., New York 10, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.

IMPRESSION LEAD, ELECTROTYPERS'

★BLATCHFORD Division National Lead Co., 111 Broadway, New York, N.Y.
DIVISION Lead Co., 7742 W. 61st Place, Summit, Ill.
REYNOLDS Metals Co., 2500 S. Third St., Louisville, Ky.

INDEX CUTTING MACHINES

CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
MARCY, G. D., 8 Lakewood Rd., Newton Highlands 61, Mass.
MONTGOMERY Co. Inc., Pratt Ave., Towanda, Pa.
MULLER, Chas. A., Co., 153 Lafayette St., New York 13, N.Y.
★NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago, Ill.
SOUTHWORTH Machine Co., Inc., 30 Warren Ave., Portland, Me.

INDEX TABS

★AIGNER, G. J., Co., 426 S. Clinton St., Chicago 7
BUCHAN Looseleaf Records Co., 420 S. Penn St., Clifton Heights, Pa.
BURKHARDT Company, 547 W. Larned St., Detroit
★DENNISON Manufacturing Co., Framingham, Mass.
MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
SPEED Products Co., 32-01 Queens Blvd., Long Island City, N.Y.
WILSON-Jones Co., 3300 W. Franklin Blvd., Chicago, Ill.

INK MEASURING MACHINES

LITHOGRAPHIC Technical Foundation, 131 E. 39th St., New York 16, N.Y.

INK MILLS, MIXING MACHINES

DAY, J. H., Co., The, 1144 Harrison Ave., Cincinnati
EXCELLO Machine Co., 1615 College Ave., S. E., Grand Rapids 7, Mich.
KENT Machine Works, Inc., 37 Gold St., Brooklyn
LEHMANN, J. M., Co., Inc., 568 New York Ave., Lyndhurst, N. J.
READ Standard Corporation, 900-50 Richland Ave., York, Pa.
ROSS, Charles, & Son Co., 148 Classon Ave., Brooklyn, N.Y.

INK PANS AND BULBS, RULING MACHINE

HICKOK, W. O., Manufacturing Co., Box 423, Harrisburg, Pa.
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

INK SKINNING, ANTI, COMPOUND

★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRAZNELL Co., 2227 Walnut, St. Louis 3, Mo.
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn, N.Y.
HELMUTH, Chas., Printing Ink Corp., 154 W. 18th St., New York 11, N.Y.
HERRICK, William C., Ink Co., Maple St. & Erie R.R., East Rutherford, N. J.
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
MONOGRAM Co., 150-152 N. Fifth St., Philadelphia
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N.J.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York, N.Y.

★SINCLAIR & Valentine, 611 W. 129th St., New York 27, N.Y.
TRIANGLE Ink & Color Co., 329 East 29th St., New York 16, N.Y.
ULLMAN Sigmund, Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.

INK TANKS

★GOSS Printing Press Co., 1535 S. Paulina St., Chicago, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N.Y.

INKED RIBBONS

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio
MITTAG & Volber, Inc., 76 Park Ave., Park Ridge, N. J.
UNDERWOOD Corp., 1 Park Ave., New York 16

INK-ADJUSTING COMPOUNDS

ACME Printing Ink Co., 1419 W. Carroll, Chicago, Ill.
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
ANDERSON-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla.
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BARATA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
BOWERS Printing Ink Co., 2655 W. Irving Park Rd., Chicago 18, Ill.
BRAZNELL Co., 2227 Walnut, St. Louis 3, Mo.
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
★CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago 47, Ill.
CHEMICAL Color & Supply Co., Div. Sun Chemical Co., 2820 W. Grand Ave., Chicago, Ill.
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
EAGLE Printing Ink Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
FINNE-DETRICK, Inc., 415 W. 55th St., New York 19, N.Y.
FLINT Ink Co., Howard, 2546 Clark Ave., Detroit 9, Mich.
FUCHS & Long Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N. Y.
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 1201 W. Washington Blvd., Chicago 7, Ill., and 10th St. & 44th Ave., Long Island City 1, N.Y.
HELMUTH, Chas., Printing Ink Corp., 154 W. 18th St., New York 11, N.Y.
HERRICK, William Co., Ink Co., Maple St. & Erie R.R., East Rutherford, N. J.
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
INCO Co., 2372 W. 7th St., Cleveland, Ohio
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
INK & Chemical Co., 550 Fifth Ave., New York 17
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
★JOHNSON, Charles Eneu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
KELLY, E. J., Co., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 13F, Mich.
KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
LEVEY, Fredk. H., Co., Inc., 380 Madison Avenue, New York 17, N.Y.
MC CUTCHEON Bros. & Quality, Inc., 2653 N. Reese St., Philadelphia, Pa.
MEINERS, Bernhard, Inc., 22 Albany, New York 6
MESEROLE, Edward D., Co., 265 Canal St., New York, N.Y.
PECK, James I., 47 High St., W. Orange, N. J.
ROBERTS, Lewis, Co., 72 Union St., Newark 5, N. J.
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N.Y.
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
★SIEBOLD, J. H., & G. B., Inc., 150 Varick St., New York 51, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N.Y.
TRIANGLE Ink & Color Co., 329 E. 29th St., New York 16, N.Y.
ULLMAN, Sigmund, Inks, Gen. Prt. Ink Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.

INK DRIERS

ACME Printing Ink Co., 1419 W. Carroll, Chicago
★ANCHOR Chemcal Corp., 829 Bergen St., Brooklyn
BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
BOWERS Printing Ink Co., 2655 W. Irving Park Road, Chicago 18, Ill.
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRAZNELL Company, 2227 Walnut, St. Louis 3
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 Grand Ave., Chicago, Ill.
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
DRISCOLL, Martin, & Co., 610 Federal St., Chicago
EAGLE Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
FINNE-Detrick, Inc., 415 W. 55th St., New York 19, N.Y.
FLINT, Howard Ink Co., 2546 Clark Ave., Detroit 9, Michigan
FUCHS & Long Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N.Y.
HERBERT Products Inc., 74-32 Jamaica Ave., Woodhaven 21, N.Y.
HERRICK, Wm. Co., Inc., Ink Co., Maple St. & Erie R. R., East Rutherford, N. J.
HILL-Hentschell Co., 3928 Clayton Ave., St. Louis 11
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 4, Ind.
INK & Chemical Co., Inc., 550 Fifth Ave., New York
★JOHNSON, Charles Eneu & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
KOHL & Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
LEVEY, Fredk. H., Co., Inc., 380 Madison Ave., New York 17, N.Y.
MC CUTCHEON Bros. & Quality, Inc., 2653 N. Reese St., Philadelphia, Pa.
MEINERS, Bernhard, Inc., 22 Albany, New York 6
MESSEROLE, Edward D., 265 Canal St., New York, N.Y.
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
OKIE, F. G., Inc., 5916 State Rd., Philadelphia
ROBERTS, Lewis, Inc., 72 Union St., Newark 5
ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N.Y.
SENEFELDER Co., 32 Greene St., New York 12
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N.Y.
TRIANGLE Ink & Color Co., 329 East 29th St., New York 16, N.Y.
ULLMAN, Sigmund, Inks, Gen. Prt. Ink Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N.Y.
WINSLOW Ink Corp., 110 Greene St., New York

INK, DRY COLORS

CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
★EAGLE Printing Ink, General Printing Ink Div., Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
FLINT Ink Co., Howard, 2546 Clark Ave., Detroit 9, Mich.
INK & Chemical Co., 550 Fifth Ave., New York 1
★JOHNSON, Charles Eneu, & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
MONSANTO Chemical Co., Pigments Dept., Sun Chemical Corp., 309 Sussex St., Harrison, N. J.
ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N.Y.
SENEFELDER Co., 32 Greene St., New York 12
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

INK PASTE

BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland, Ohio
CALIFORNIA Ink Co. Inc., 545 Sansome St., San Francisco, Calif.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul, Minn.
★EAGLE Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
FLINT Ink Co., Howard, 2546 Clark Ave., Detroit 9, Mich.
FUCHS & Long Mfg. Co., Div. Sun Chemical Co., 10th St. & 44th Ave., Long Island City 1, N.Y.
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
HERRICK, William C., Ink Co., Maple Street & Erie R.R., East Rutherford, New Jersey
ROBERTS, Lewis, Inc., 72 Union St., Newark 5
ULLMAN, Sigmund, Inks, Gen. Prt. Ink Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
★SINCLAIR & Valentine, 611 W. 129th St., New York 27, N.Y.

INK SIZES

BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland, Ohio
CALIFORNIA Ink Co. Inc., 545 Sansome St., San Francisco, Calif.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul, Minn.
★EAGLE Printing Ink, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
FLINT Ink Co., Howard, 2546 Clark Ave., Detroit 9, Mich.
FUCHS & Long Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
HERRICK, William C., Ink Co., Maple St. & Erie R.R., East Rutherford, N. J.
KELLY, E. J., Co., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 13F, Mich.
ROBERTS, Lewis, Inc., 72 Union St., Newark 5
ULLMAN, Sigmund, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
★SINCLAIR & Valentine, 611 W. 129th St., New York 27, N.Y.

INKS—SPECIAL

1 Anilin
2 Bread Wrapper
3 Bronze, Powder, Dry
4 Carbonizing (also Spot)
5 Carton, Paper Box
6 Cellulose Tissue Ink
7 Cold-Set
8 Color Comic
9 Decalcomania
10 Duplicator Inks
11 Film-Staging, Topping, etc.
12 Fluorescent
13 Food-Mark
14 Hectograph
15 Indelible for Stencil Marking
16 Invisible
17 Metal Decorating
18 Numbering Machine
19 Opaquing Photo Film
20 Parchment (Hot Wax)
21 Perfumed
22 Pigments, Aluminum
23 Pyroplastic (Rubber Base)
24 Soap Wrapper
25 Special Purpose
26 Steam Set
27 Stereotype Casting
28 Transfer
29 Water Color
30 Water-Set
31 Watermark

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31

ACME Printing Ink Co., 1419 W. Carroll, Chicago
2 3 4 5 6 7 8
12 13 17 18 20 21
24 25 26 29

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio 10 11
ALUMINUM Co. of America, 801 Gulf Bldg., Pittsburgh 19, Pa. 22
★AMERICAN Carbon Paper Co., Ennis, Texas
4
★AMERICAN Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N.Y.
18
ARTISTS Supply Co., 7610 Decker Ave., Cleveland 3
19
BAER Bros., 438 W. 37th St., New York City 18, N.Y.
3 22
BARTA-Griffin Co., 72 Commercial St., Worcester 1
2 3 5
17 22
24 26
BEN DAY, Inc., 118 E. 28th St., New York City 16, N.Y.
11
19
BENSING Bros. & Deeney, 3301 Hunting Park Ave., Philadelphia 32, Pa.
1 2 5 6 9
13 17 18 19 22
24 25 26 29 30 31
BOTH, O. A., Corporation, 2306 Washington St., Newton Lower Falls, Mass.
3 22
BOWERS Printing Ink Co., 2655 W. Irving Park Road, Chicago 18, Ill.
2 3 4 5 6 8 9 10
12 20 21
23 24 26 29 30 31
24 26 29 30 31
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
1 2 4 5 8 9 10
13 14 15 16 17 20 21 22
23 24 25 26 28 29 30 31
BRANZELL Co., 2227 Walnut Street, St. Louis 3
3 5 9
17
24
BROWN Lindsay Paint Co., 2601 W. Grand Ave., Chicago 12, Ill.
9
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
3 4
17 20
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
CAMDEN Ink & Color Co., 1001 Market St., Camden, N. J.

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
CAPITOL Printing Ink Co., 821 Third St., Des Moines 1, Iowa
4
CARLSON, John P., Inc., 420 Carroll St., Brooklyn
2 8 9
17 20
24 25 26 29 30 31
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
2 4
12
26
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.
3
CONSOLIDATED Printing Ink Co., 481 N. Griggs St., St. Paul 4, Minn.
1 2 3 4 5 6 7 8 9 10
14 17 18 19 20 21 22
23 24 25 26 28 29 30
CRAFTINT Mfg. Co., 1615 Collamer St., Cleveland 13, Ohio 19
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
1 2 5 6
13 17 19 20 21
23 24 25 26 28 30
CROWE Printing Ink Co., 724 N. 3d St., Philadelphia
2 17 20
26
DRISCOLL, Martin, & Co., 610 Federal St., Chicago 5, Ill.
1
★EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
1 2 5
12 20 21 22
24 25 26
FINNE-Detrick, Inc., 415 W. 55th St., New York 19, N.Y.
1 4 5 17 19 20
24 25 26 29
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
1 2 3 4 5 6 8 9 10
12 13 14 15 16 17 18 19 20 21
23 24 25 26 27 28 29 30
FORCE, Wm. A., & Co., Inc., 216 Nichols Ave., Brooklyn 8, N.Y. 18
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
1 2 5 9
12 17 20
24 26 28 31
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
3 4 5 9
17 20 22
28 29
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
1 2 5
17
24 25 26
GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich.
12 9
GOTHAM Ink & Color Co., 5-19 47th Ave., Long Island City 1, N.Y.
1
GUTHRIE Ceramic & Labelling Machine Co., 424 Pitt St., Windsor, Ontario, Can.
23
HELMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N.Y. 9 11
17 18 21
26 28 29
HERRICK, Wm. C., Ink Co., Inc., Maple St. & Erie R.R., East Rutherford, N. J.
8
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
18
HILL-Hentschel Company, 3928 Clayton Ave., St. Louis 10, Mo.
1 2 4 5 8 9
17 18 19 20 21 22
24 25 26 30
HUBER Corp., J. M., 620 62nd St., Brooklyn 20, N.Y.
2 5 8
24 26 30
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
3
INCO Company, 2372 W. 7th St., Cleveland 14, Ohio
4 5
12 17 18 20 22
23
INK & Chemical Co., Inc., 50 Fifth Ave., New York 17, N.Y. 8 10
13 14 18
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
1 2 3 4 5 8 9
13 15 17 18 20 22
24 25 26 28 29 30 31
JOHNSON, Charles Enau, Co., 10th & Lombard Sts., Philadelphia 47, Pa.
1 2 4 5 7 8 9 10
13 14 15 17 18 20
24 25 26 28
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
2 5 9
24 25 26

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
LEVEY, Fredk. H., Co., Inc., 380 Madison Avenue, New York 17, N.Y.
1 2 4 5 6 8
17 20 22
24 25 26
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
13 15 18
MC CUTCHEON Bros. & Quality, Inc., 2653 N. Reese St., Philadelphia, Pa.
4 9
MEINERS, Bernhard, Inc., 22 Albany St., New York 6, N.Y. 28 9
MELIND, Louis, Company, 362 W. Chicago Ave., Chicago 10, Ill.
13 14 18
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J. 10
14 15 18
MORRILL, Geo., H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
2 3 6 8 9
MONK, C. O. & Company, 212 N. Bentalou St., Baltimore 23, Md.
1 2
12 17
24 26
OHIO Bronze Powder Co., 1120 E. 152d St., Cleveland 10, Ohio
3
OHIO Ink Laboratories, 308 Main St., Cincinnati 2
1
OKIE, F. G., Inc., 5916 State Rd., Philadelphia
2
OLSEN Mark Corp., 124 White St., New York 13
15
PAPERLESS Labellers, Inc., 304 N. Columbus St., Lancaster, Ohio
23
PAYSON'S Indelible Ink Co., Northampton, Mass.
15
POPE & Gray, Inc., Industrial West, Allwood, Clifton, N. J.
2 3 5 8 9
17
23 24 26
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
1 2 3 4 5 9 10
12 17 18 20 21 22
23 24 25 26 29 30
ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N.Y.
18
ROOSEN, H. D., Co., Div. Columbia Carbon Co., 41 E. 42d St., New York 17, N.Y.
1 2 3 4 5 10
12 17 20 21
24 25 26 30
SCHWARM & Jacobus Co., 1216 Jackson St., Cincinnati 10, Ohio
2 3 4 5 6 7 8 9 10
17 18 22
23 24 25 26 30
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
28
SHANNON Luminous Materials Co. Inc., 7356 Santa Monica Blvd., Hollywood 46, Calif.
12 22
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
4 5 6 8 9
17 19 21 22
24 25 28 31
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 17, N.Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31
SLEIGHT Metallic Ink Co., 900 S. Clinton, Chicago
2 3 5 6 9
24 25
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y. 10
14 15
STOKES, A., Co., Hudson, Ohio
16
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N.Y.
14 16
SWITZER Brothers, Inc., 4732 St. Clair Ave., Cleveland 3, Ohio
12 16
TRIANGLE Ink & Color Co., 329 East 29th St., New York 16, N.Y.
2 4 5 9
17 18 20 21
24 25 26
ULLMAN, Sigmund, Inks, Gen. Prt. Ink Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
1 2 4 5
21
24 25 26
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N.Y.
1 31

INKS—STANDARD

1 Color Process
2 Engravers
3 Gloss
4 Gravure
5 Halftone
6 Heat-Set
7 Letterpress
8 Metallic
9 Offset-Lithographic
10 Plate Printing
11 Rotary Press, News
12 Ruling
13 Safety (Bank Note)
14 Dull
15 Newspaper

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
ACME Printing Ink Co., 1419 W. Carroll, Chicago
1 3 6 7 8 9 10 11
12 13
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio 9
BAER Bros., 438 W. 37th St., New York 18, N.Y.
8
BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
1 2 3 5 6 7 8 9 10
14
BENSING Bros. & Deeney, 3301 Hunting Park Ave., Philadelphia 32, Pa.
1 3 4 5 7 8 9
13
BOTH, O. A., Corp., 2306 Washington St., Newton Lower Falls, Mass. 8
BOWERS Printing Ink Co., 2655 W. Irving Park Road, Chicago 18, Ill.
1 2 3 5 6 7 8 9 10 11
13 15
BRADEN Sulphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
1 2 3 5 7 8 9 10 11
13 14
BRAZNELL Co., Inc., 2227 Walnut St., St. Louis 3
3 7 9
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio 3 6 7 8
12
C. E. B. Printing Ink Co., 817 W. Washington Blvd., Chicago 7, Ill. 7 9
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
CAMDEN Ink & Color Co., 1001 Market St., Camden, N.J.
CAPITOL Printing Ink Co., 821 Third St., Des Moines 1, Iowa
1 9 11
CARLSON, John P., Inc., 420 Carroll St., Brooklyn
1 2 3 5 6 7 8 9 11
CARMICHAEL Printing Ink Co., 168 Forsyth S. W., Atlanta 3, Ga. 7 9
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
1 3 4 5 6 7 8 9
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill. 7 8 9
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
1 2 3 4 5 6 7 8 9 10 11
12 13 14
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y. 7
15
CRESCENT Ink & Color Co. of Pa. 464 N. Fifth St., Philadelphia 23, Pa.
1 3 4 5 6 7 8 9 10
12 13 14
CRONITE Company, 88th St. & Hudson Blvd., North Bergen, N. J.
2 10
13
CROWE Printing Ink Co., 724 N. Third St., Philadelphia 23, Pa.
1 3 5 6 7 8 9
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
7 9
DREDGE, A., Ruling Pen Co., 105 Johnson Ave., Hackensack, N. J.
12
DRISCOLL, Martin & Co., 610 Federal St., Chicago
7 9
★EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
2 3 5 6 7 8 9 11
FAUST, Rudolph, 628-632 Degraw St., Brooklyn 17
2 10
FINNE-Detrick, Inc., 415 W. 55th St., New York 19, N.Y.
1 2 3 5 6 7 8 9 11
14
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
1 3 4 5 6 7 8 9 11
13
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
1 3 5 6 7 9
13 14
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
1 3 4 5 6 7 8 9
GOTHAM Ink & Color Co., 5-19 47th St., Long Island City 1, N.Y.
4
GRADY & Neary Ink Co., 429 W. Superior St., Chicago, Ill. 7 9

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
HELMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N.Y.
1 2 3 4 6 7 8 9
13
HERRICK, Wm. C., Ink Co., Maple St. & Erie R. R., East Rutherford, N. J.
1 3 5 6 7 8 9 11
14 15
HICKOK, W. O., Mfg. Co., Box 423 Harrisburg, Pa.
12
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
1 2 3 4 5 6 7 8 9 10
14
HUBER, J. M., Corp., 620 62nd St., Brooklyn, N.Y.
1 3 4 5 6 7 11
15
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
8
INCO Company, 2372 W. 7th St., Cleveland 13
1 2 3 5 7 8 9
14
INK & Chemical Co., 550 Fifth Ave., New York 17
1 3 4 5 6 7 8 9 11
13 15
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
1 2 3 5 6 7 8 9 10 11
12 13 14 15
JOHNSON, Charles Eneu, Co., Inc., 10th & Lombard Sts., Philadelphia 47, Pa.
1 2 3 4 5 6 7 8 9 11
12 13 14 15
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
1 3 4 5 7 9
KOHL and Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
4 7 9
LEVEY, Fredk. H., Co., Inc., 380 Madison Ave., New York 17, N.Y.
1 2 4 5 6 7 8 9 11
MANUFACTURERS Printing Ink Corp., 1 Main St., Brooklyn 1, N.Y.
7 9
MARKEM Machine Co., Keene, N. H.
6 8
★MC-ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
12
MC CUTCHEON Bros. & Quality, Inc., 2653 N. Reese St., Philadelphia, Pa.
2 3 5 7 8 9 10
MEINERS, Bernhard, Inc., 22 Albany, New York 6
7 9
MEYER, E. W., Co., 407 E. Michigan St., Milwaukee, Wis.
8
MONK, C. O., Company, 212 N. Bentalou St., Baltimore 23, Md.
3 4 7 9
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
1 3 7 9 11
15
OHIO Ink Laboratories, 308 Main St., Cincinnati 2
2 3 7 9
OKIE, F. G., Inc., 5916 State Rd., Philadelphia, Pa.
1 2 3 4 5 6 7 8 9 10 11
12 13
PACIFIC Coast Div. Sun Chemical Corp., 1425 Folsom St., San Francisco 3, Calif.
7 9
PECK, James L., 47 High St., West Orange, N. J.
8
POPE & Gray, Inc., Industrial West, Allwood, Clifton, N. J.
1 3 5 6 7 8 11
13 14
ROBERTS, Lewis, Inc., 72 Union St., Newark 5
1 2 3 5 6 7 8 9 10 11
12 13 14
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N.Y.
1 2 3 4 5 6 7 8 9 10 11
13
SCHWARM & Jacobus Co., 1216 Jackson St., Cincinnati 10, Ohio
2 6 7 8 9 10 11
14
SENEFELDER Company, Inc., 32 Greene St., New York 13, N.Y.
7 9
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 17, N.Y.
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
1 3 5 7 8 9 10 11
13 14
STEEL City Printing Ink Co., 281 Carliss St., Pittsburgh 20, Pa.
1 5 7 9 11
13
STOKES, A., Co., Hudson, Ohio
8
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N.Y.
1 3 6 7 8 9
TRIANGLE Ink & Color Co., 329 E. 29th St., New York 16, N.Y.
1 2 3 5 7 8 9
13 14
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
ULLMAN, Sigmund, Inks, Gen. Prt. Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
1 2 3 4 5 6 7 8 9
WHALEY'S Metallic Powders, Freistatt, Mo.
8
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N.Y.
1 6 7
13
WINSLOW Ink Corp., 110 Greene St., New York
15

INK VARNISHES AND LACQUER

1 Lacquer
2 Varnish

1 2
ACME Printing Ink Co., 1419 W. Carroll, Chicago
2
ALLIED Finishing Specialties Co., 2610 W. Grand Ave., Chicago 12, Ill.
1
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
2
BAER Bros., 438 W. 37th St., New York 18, N.Y.
2
BARTA-Griffin Co., 72 Commercial St., Worcester 1, Mass.
BENSING Bros. & Deeney, 3301 Hunting Park Ave., Philadelphia 8, Pa.
1 2
BOWERS Printing Ink Co., 711 W. Lake St., Chicago 6, Ill.
2
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
2
BRAZNELL Co., Inc., 2227 Walnut St., St. Louis 3
2
BUCKEYE Printing Ink Co., 480 S. Pearl St., Columbus 15, Ohio
2
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco 11, Calif.
2
CENTRAL Compounding Co., 1718 N. Damen Ave., Chicago, Ill.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
2
CHICAGO Printing Ink Co., 205 W. Wacker Drive, Chicago 6, Ill.
2
CONSOLIDATED Printing Ink Co., 431 N. Griggs St., St. Paul 4, Minn.
1 2
CRESCENT Ink & Color Co. of Pa., 464 N. Fifth St., Philadelphia 23, Pa.
2
DRISCOLL, Martin, & Co., 610 Federal St., Chicago
2
DU PONT, E. I., de Nemours & Co., Wilmington, Del.
1 2
★EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
2
FINNE-Detrick, Inc., 415 W. 55th St., New York 19, N.Y.
FLINT, Howard, Ink Co., 2546 Clark Ave., Detroit 9, Mich.
1 2
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
2
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
2
★GENERAL Printing Ink Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y. and 1201 W. Washington Blvd., Chicago 7, Ill.
2
GENERAL Research & Supply Co., 527 S. Division Ave., Grand Rapids, Mich.
GOTHAM Ink & Color Co., 5-19 47th St., Long Island City 1, N.Y.
1
HELLMUTH, Charles, Printing Ink Corp., 154 W. 18th St., New York 11, N.Y.
2
HERRICK, Wm. C., Ink Co., Maple St. & Erie R. R., East Rutherford, N. J.
2
HILL-Hentschel Co., 3928 Clayton Ave., St. Louis 11
2
HILO Varnish Corp., 56 Stewart Ave., Brooklyn 6
1 2
HUBER, J. M., Corp., 620 62nd St., Brooklyn 20
2
ILLINOIS Bronze Powder Co., Inc., 2023 S. Clark St., Chicago 16, Ill.
2
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 25, Ind.
2
INK & Chemical Co., 550 Fifth Ave., New York 17
2
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
1 2
JOHNSON, Chas. Eneu & Co., 10th & Lombard Sts., Philadelphia 47, Pa.
2
KELLY, E. J., Div. Sun Chemical Corp., 1807 N. Pitcher St., Kalamazoo 45, Mich.
2
1 2
KOHL and Madden Printing Ink Co., 1132 S. Jefferson St., Chicago 7, Ill.
2
LEVEY, Fredk. H., Co., Inc., 380 Madison Avenue, New York 17, N.Y.
MC CUTCHEON Bros. & Quality, Inc., 2653 N. Reese St., Philadelphia, Pa.
1 2
MEINERS, Bernhard, Inc., 22 Albany, New York 6
2
MESEROLE, Edward D., 265 Canal St., New York, N.Y.
MONSANTO Chemical Co., Merrimac Div., Everett 49, Mass.
2
MORRILL, Geo. H., Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
2
OKIE, F. G., Inc., 5916 State Rd., Philadelphia, Pa.
2
PECK, James L., 47 High St., West Orange, N. J.
2
POPE & Gray, Inc., Industrial West, Allwood, Clifton, N. J.
2
ROBERTS, Lewis, Inc., 72 Union St., Newark 5, N. J.
2
ROOSEN, H. D., Company, Div. Columbia Carbon Co., 41 E. 42nd St., New York 17, N.Y.
2
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
1 2
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
2
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
1 2
SLEIGHT Metallic Ink Co., 900 S. Clinton St., Chicago, Ill.
2
★SUN Chemical Corp., 1010 44th Ave., Long Island City 1, N.Y.
SUPERIOR Printing Ink Co., 295 Lafayette St., New York 12, N.Y.
2
ULLMAN, Sigmund, Inks, Gen. Prt. Ink, Div. Sun Chemical Corp., 1010 44th Ave., Long Island City 1 N.Y.
2
WILSON, W. D., Printing Ink Co., 5-38 46th Ave., Long Island City 1, N.Y.
2
WINSLOW Ink Corp., 110 Greene St., New York
2

INSERTING MACHINES

BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
★DEXTER Folder Co., Pearl River, N.Y.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.

J

JIG SAWS, DRILLING MACHINES

BOICE-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
★PIONEER Toledo Corp., 1130 Nebraska Ave., Toledo Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
ROYLE, John, & Sons, 10 Essex St., Paterson 3, N. J.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

JOGGING MACHINES

ABRAMS, M. L., Co., 1841 Prospect Ave., Cleveland, Ohio
BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
MAXSON Automatic Machinery Co., 98 Granite St., Westerly, R. I.
SCHEINKER, Ilya, Mech. Eng., 35 Great Jones St., New York 12, N.Y.
SYNTRON Company, 575 Lexington Ave., Homer City, Pa.
UNIVERSAL Jogger Co., 1627 Washington Ave., Minneapolis, Minn.

K

KNIVES, INK

CALIFORNIA Ink Co., 545 Sansome St., San Francisco, Calif.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
LAMSON & Goodnow Mfg. Co., Shelbourne Falls, Mass.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn, New York

KNIVES, MAKEREADY, OVERLAY

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth B, N. J.
CALIFORNIA Ink Co., 545 Sansome St., San Francisco, Calif.
CRONITE Co., Inc., 88th St. & Hudson Blvd., North Bergen, N. J.
★HOE, R., & Co., 910 E. 138th St., New York 54
LAMSON & Goodnow Mfg. Co., Shelbourne Falls, Mass.
NAZ-Dar Company, 469 Milwaukee Ave., Chicago 10, Ill.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
STANLEY Electric Tools, New Britain, Conn.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

KODACHROME FILM CLEANER

★ANCHOR Chemical Co., 829 Bergen St., Brooklyn 38, N.Y.
MERIX Chemical Co., 1021 E. 55th St., Chicago
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia 7, Pa.

L

LABELING MACHINES

CORKPAK Co., The, 70 Argyle St., New Rochelle, N.Y.
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
GUMMED Tape & Devices Co., 1318 Sixtieth St., Brooklyn, N.Y.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N.Y.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N.Y.
MAGNACRAFT Mfg. Co., 3138 W. Chicago Ave., Chicago 22, Ill.
MOORE, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
NEW Jersey Machine Corp., 15th St. & Willow Ave., Hoboken, N. J.
POTDEVIN Machine Co., Inc., 226 North Street, Teterboro, N. J.
STOKES & Smith Co., Frankford Ave., Philadephia

LACQUER SPRAYING EQUIPMENT (See Bordering, Etc.)

LAMINATING MACHINES

★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.

GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich.
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City, N.Y.
HUDSON-Sharp Machine Co., Green Bay, Wis.
INTA-ROTO Machine Co., Inc., R. F. D. 6, Box 61, Richmond, Va.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N.Y.
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston
Moore, Kenneth J., & Co., 1778 W. Estes Ave., Chicago 26, Ill.
PARRY, Samuel R., Machine Co., 222 Mill St., Rochester, N.Y.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul, Minn.
WALDRON, John, Corp., New Brunswick, N. J.

LAYOUT, POSITIONING PAPER

★HAMILTON Mfg. Co., Two Rivers, Wis.
KEUFFEL & Esser Company, 300 Adams St., Hoboken, N. J.
RULEX Type Corp., 127 W. Harrison, Chicago, Ill.

LENS CLEANER

CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
EASTMAN Kodak Co., Rochester 4, N.Y.
MALLINCKRODT Chemical Works, 2nd & Mallinckrodt Sts., St. Louis 7, Mo.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

LENSES, MIRRORS, PRISMS

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth B, N. J.
BACHE, Seman, & Co., 636 Greenwich St., New York 14, N.Y.
BAUSCH & Lomb Optical Co., 681 St. Paul St., Rochester 2, N.Y.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Avenue, Boston, Mass.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.
EASTMAN Kodak Co., Rochester 4, N.Y.
GENERAL Scientific Corp., 5151 W. 65th St., Chicago, Ill.
GOERZ American Optical Co., 317 E. 34th St., New York 16, N.Y.
PICTORIAL Machinery Ltd., Crawley, Sussex, England
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.
ZARKIN Machine Co., 34-19 10th St., Long Island City 6, N.Y.

LETTERING INSTRUMENTS AND TEMPLETS

VARIGRAPH Co., Inc., 841 W. Lakeside, Madison, Wisconsin

LIFTS, PAPER

1 Feeder Lifts
2 Automatic Skid

1 2
BERRY Machine Co., 716 N. First St., St. Louis, Mo.
1
ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.
GENERAL Research & Supply Co., 527 S. Division, Grand Rapids, Mich.
2
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
2
RATHBUN & Bird Co., 379 W. Broadway, New York 12, N.Y.
1
REVOLVATOR Co., 86th & Tonnelle Ave., North Bergen, N. J.
1
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
2

LIGHTING UNITS

BENJAMIN Electric Mfg. Company, Des Plaines, Ill.
CURTIS Lighting, Inc., 6135 W. 6th St., Chicago 38
FOSTORIA Pressed Steel Corp., Fostoria, Ohio
FRINK Corporation, The, 27-01 Bridge Plaza No., Long Island City, N.Y.
KENNO Graphics, Inc., 25 Commerce St., Chatham, N. J.
★MACBETH Daylighting Co., P.O. Box 950, Newburgh, N.Y.
MILLER Company, 99 Center, Meriden, Conn.
PICTORIAL Machinery Ltd., Crawley, Sussex, England

SYLVANIA Electric Products Inc., 500 Fifth Ave., New York 18, N.Y.
WESTINGHOUSE Electric & Mfg. Co., East Pittsburgh, Pa.

LOCKUP, PLATE, INSTANTANEOUS

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth B, N. J.
SPEEDY Machinery Co., Hotel Vereen, Miami 35, Fla.

LOOPING MACHINES (See Tag Machinery)

LOOSE-LEAF BINDERS, PARTS, INDEXES AND SYSTEMS

★AIGNER, F. J., Company, 426 S. Clinton St., Chicago 7, Ill.
BROCK & RANKIN, 619 S. La Salle St., Chicago 5, Ill.
BUCHAN Loose Leaf Records Co., 420 S. Penn St., Clifton Heights, Pa.
BURKHARDT Company, 547 W. Larned St., Detroit
ELBE File & Binder Co., 649 Alden, Fall River, Mass.
ELLINGSWORTH Mfg. Co., 200 S. Peoria St., Chicago 7, Ill.
FLEX-O-Coil Products Co., 235 W. 27th St., Los Angeles, Calif.
★GENERAL Binding Corporation, 812 W. Belmont Ave., Chicago 14, Ill.
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
HEINN Company, 326 W. Florida St., Milwaukee 4
LEFAX Inc., 9th & Sansom Sts., Philadelphia 7, Pa.
NATIONAL Blank Book Co., Holyoke, Mass.
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N.Y.
SHEPPARD, C. E., Co., 4401 21st St., Long Island City 1, N.Y.
SMITH, S. K., Company, 2857 N. Western Ave., Chicago 18, Ill.
SPEED Products Co., 32-01 Queens Blvd., Long Island City 1, N.Y.
SPIRAL Binding Co., 406 W. 31st St., New York 1, N.Y.
TENACITY Mfg. Co., The, Lockland, Cincinnati 15
TRUSSEL Mfg. Co., Inc., 190 Cottage Street, Poughkeepsie, N.Y.
WILSON-Jones Co., 3300 Franklin Blvd., Chicago 24, Ill.

LUBRICANTS, OILS, GREASES

★ANCHOR Chemical Co., 829 Bergen St., Brooklyn 16
COOK'S Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J.
FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
FISKE Brothers Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. J.
GULF Oil Corporation, Gulf Building, Pittsburgh 30
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
MERIX Chemical Co., 1021 E. 55th St., Chicago 11, Ill.
PECK, James I., 47 High St., West Orange, N. J.
PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
SUPERIOR Flake Graphite Co., 33 S. Cark St., Chicago 3, Ill.

LUBRICATING EQUIPMENT

BIJUR Lubricating Corp., 151 W. Passaic St., Rochelle Park, N. J.
BOWSER, Inc., 1302 Creighton Ave., Ft. Wayne 2, Ind.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
RIVETT Lathe & Grinder, Inc., 20 Riverview Rd., Boston, Mass.

M

MACERATING MACHINES

CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
JOHNSTON Foil Mfg. Co., 6100 S. Broadway, St. Louis, Mo.
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

MAGNIFYING, REDUCING GLASSES

ABBEON Supply Co., 179-15 Jamaica Ave., Jamaica 3, N.Y.
BACHE, Seman, & Co., 636 Greenwich St., New York 14, N.Y.
BAUSCH & Lomb Optical Co., 681 St. Paul St., Rochester, N.Y.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit
GLOGAU & Co., 1914 W. Birchwood, Chicago, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
METZGER, Afred E., 30 Irving Place, New York 3
MONOMELT Company, 1611 Polk St. N. E., Minneapolis 13, Minn.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis 8, Mo.
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
PAGE, Robert R., 41 Union Square, New York 3
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York, N.Y.
STANLEY Electric Tools, New Britain, Conn.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia 1, Pa.
ZEISS, Carl, Inc., 485 Fifth Ave., New York, N.Y.

MAILING WRAPPER PASTING DEVICES

AMES Bag Company, 2200 Selma Ave., Selma, Ala.
★CHESHIRE Mailing Machines, 1415 Altgeld St., Chicago 14, Ill.
MAGNACRAFT Mfg. Co., 3138 W. Chicago Ave., Chicago, Ill.

MALLETS

★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
GOODRICH, B. F., Co., 500 S. Main St., Akron 18
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
NEW Plastics Corp., 1026 N. Sycamore, Los Angeles
THOMPSON Cabinet Co., Ludington, Mich
UNITED States Rubber Co., 1230 Ave of the Americas, New York
UNITED Stereotype & Supply Co., Box 38, West Lynn, Mass.
WRIGHT Mfg. Co., P. O. Box 6567, Houston 1, Texas

MANAGEMENT CONSULTANTS

★GRAPHIC Arts Industry, Inc., 1104 Currie Ave., Minneapolis, Minn.

MARKING MACHINES

COXHEAD, Ralph, Co., 333 Sixth Ave., New York
FERGUSON, J. S., Co., P. O. Box 1226, Joliet, Ill.
★FORCE, Wm. A., & Co., 216 Nichols Ave., Brooklyn 8, N.Y.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
JOSLIN, A. D., Mfg. Co., Manistee, Mich.
MARKEM Machine Co., Keene, N. H.
MARSH Stencil Co., 707 E. B. St., Belleville, Ill.
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
MELIND, Louis Company, 362 W. Chicago Ave., Chicago 10, Ill.
OLSEN Mark Corp., 124 White St., New York 13
PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
ROBERTS Numbering Machine Co., 694 Jamaica Ave., Brooklyn 8, N.Y.
STAFFORD Engraving Co., 229 N. Pennsylvania St., Indianapolis 6, Ind.
UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.

MARKING MACHINE, ROTOGRAVURE CYLINDER

★HOE, R., & Co., 910 E. 138th St., New York 54
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
INTA-ROTO Machine Co., R.F.D. 6, Box 61, Richmond, Va.
STONE, Thos. & George M., 502 Mulberry St., Newark 5, N. J.

MATRIX PAPERS

ALBEMARLE Paper Mfg. Co., The, Box 2189, Richmond, Va.
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
DUDLEY, Kenneth E., Box 806, Hagerstown, Md.
STANDARD Paper Mfg. Co., First & Hull Sts., Richmond, Va.
WOOD Flong Corp., 551 Fifth Ave., New York 17, N.Y.
WRENN Paper Co., Middletown, Ohio

MAT ROLLERS

★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
NOLAN Mchy. Corp., 1333 E. Dominick St., Rome, N.Y.
SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N.Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
TRIUMPH Equipment Eng., 6504 Walker St., Minneapolis 16, Minn.

MATS, FLOOR

AMERICAN Floor Products, 4922 Wisconsin Ave. N. W., Washington 16, D. C.

MATS, STEREOTYPE, DRY

BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
BURGESS Cellulose Co., Freeport, Ill.
CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N.Y.
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
DORSEY'S Printers Supply Co,. Inc., 125 Pontotoc, Memphis, Tenn.
PIONEER Rubber Engrain Co., 21 E. 17th Street, New York 3, N.Y.
RAPID Electrotype Co., McMicken Ave. & Race St., Cincinnati, Ohio
STEREOTYPE Equipment Co., 2815 Irving Park Road, Chicago 18, Ill.
WOOD Flong Corp., 551 Fifth Ave., New York 17

MAT TRIMMERS

COES Knife Co., 72 Coes St., Worcester, Mass.
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill
★HOE, R., & Co., 910 E. 138th St., New York 54
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles, Calif.
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
UNITED Stereotype & Supply Co., Box 38, West Lynn, Mass.
★WESEL Mfg. Co., 411 Gilligan St., Scranton, Pa.

METAL AND METAL FLUX

BELMONT Smelting & Refining Works, Inc., 330 Belmont Ave., Brooklyn 7, N.Y.
★BLATCHFORD Div., National Lead Co., 111 Broadway, New York, N.Y.
DIVISION Lead Co., 7742 W. 61st Place, Summit, Ill.
EMPIRE Metal Co., 820 E. Water St., Syracuse 3
FARRELLOY Company, 1243-45 N. 26th St., Philadelphia 21, Pa.
FEDERATED Metals Div., American Smelting & Refining Co., 120 Broadway, New York 15, N.Y.
FINN, John, Metal Works, Inc., 384 Second St., San Francisco, Calif.
FOUNDRY Chemical Co., 36-08 Review Ave., Long Island City 1, N.Y.
GARDINER Metal Co., 4820 S. Campbell St., Chicago 32, Ill.
IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 25, Ind.
JOHNSON Gas Appliance Co., 520 "E" Ave., Cedar Rapids, Iowa
KANSAS City Smelting Co., 2215 Guinotte Ave., Kansas City 1, Mo.
KELLY Metal Corp., Humboldt and Calyer Sts., Brooklyn, N.Y.
★LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N. J.
MERCHANT & Evans Co., 2035 Washington Ave., Philadelphia, Pa.
METALS Refining Co., Box 109, Hammond, Ind.
PITTSBURGH White Metal Co., 3116 Penn Ave., Pittsburgh, Pa.
UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N.Y.
VALENTI Metal Corp., 985 Grand St., Brooklyn

METAL MOLDS

IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
LINOTYPE Parts Company, 2 South Main St., South Hackensack, N. J.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
NOLAN Corp., 1333 E. Dominick, Rome, New York
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N.Y.

METAL POTS

ACME Electric Heating Co., 1217 Washington St., Boston 10, Mass.
ELECTRIC Heating Co., 8616 Madison Ave., South Gate, Calif.
GENERAL Electric Co., 1 River Road, Schenectady 5
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
IMPERIAL Type & Metal Co., 1800 S. 54th Ave., Chicago 50, Ill.
INDEPENDENT Electric Machinery Co., Inc., 300 Southwest Blvd., Kansas City, Mo.
★INTERTYPE Corp., 360 Furman St., Brooklyn
KEMP, C. M., Mfg. Co., 405 E. Oliver St., Baltimore 2, Md.
★LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N. J.
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
MARGACH Mfg. Co., 82 Beekman, New York
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
MISSOURI-Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
WALLIN Mfg. Co., 309 S. 13th St., Omaha 2, Neb.

MOLDING PRESSES, DIRECT PRESSURE, LEAD, MATS, PLASTIC, WAX

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N.Y.
MERIX Chemical Co., 1021 E. 55th St., Chicago, Ill.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
OSTRANDER Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
PARSONS & Whittmore Inc., 250 Park Avenue, New York 17, N.Y.
STEREOTEX Machinery Co., Box 31, Westport, Conn.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago 18, Ill.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMSON & Co., Passaic Ave., Caldwell, N. J.

MOLESKIN AND MOLLETON

BEST, Edward H., & Co., P. O. Box 1752, Boston
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
FUCHS & Lang Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
GODFREY Roller Co., 215 N. Camac St., Philadelphia, Pa.
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati, Ohio
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago
SENEFELDER Co., 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 51, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

MORTISER, TYPE

★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Michigan
ROUSE, H. B., & Co., 2114 N. Wayne Ave., Chicago 14, Ill.

MOTORS, CONTROLS, DRIVES

ALLIS-CHALMERS Mfg. Co., 1127 S. 70th St., Milwaukee 1, Wis.
ALLIS, Louis, Co., 427 E. Stewart St., Milwaukee 7
CENTURY Electric Co., 1806 Pine St., St. Louis 3
CHICAGO Electric Co., 1318 W. 22nd St., Chicago
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee
ELECTRON Equipment Corp., Box 229, South Pasadena, Calif.
EMERSON Electric Mfg. Co., 8100 Florissant, St. Louis 21, Mo.
FAIRBANKS Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
GENERAL Electric Co., 1 River Road, Schenectady 5
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8, Ill.
HORTON Mfg. Co., 1179 15th Ave., S.E., Minneapolis, Minn.
LINK-Belt Co., 301 W. Pershing, Chicago
★MIEHLE Printing Press & Mfg. Co., 14th St. & Damen Ave., Chicago 8, Illinois
MONITOR Controller Co., 51 S. Gay St., Baltimore
NORTHWESTERN Electric Co., 408 S. Hoyne Ave., Chicago 12, Ill.
OILGEAR Co., 1560 W. Pierce St., Milwaukee 4
REEVES Pulley Co., 1227 Seventh St., Columbus, Ind.
RELIANCE Electric & Engineering Co., 1088 Ivanhoe Rd., Cleveland, Ohio
ROCKWOOD Mfg. Co., 1801 English Ave., Indianapolis 6, Ind.
STAR-Kimble Motor, Div. of Miehle Printing Press Co., 205 Bloomfield Ave., Bloomfield, N. J.
STERLING Electric Motors, 5401 Anaheim-Telegraph Rd., Los Angeles 22, Calif.
U. S. Eectrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif.
WAGNER Electric Corporation, 6400 Plymouth Ave., St. Louis 14, Mo.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

MULTIPLE NEGATIVE MACHINES

★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LONG Eng Research Corp., 1000 Wheatsheaf Rd., Linden, N. J.
PICTORIAL Machinery Ltd., Crawley, Sussex, England
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th and 44th Ave., Long Island City 1, N.Y.
WATERWORTH Eng & Mfg. Co., 2329 Troy St., Dayton 3, Ohio

N

NAILING MACHINES

CHEMCO Photoproducts Co., New St., Gen Cove N.Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
HASTINGS Sales Eng. Co., 739 Bolyston St., Boston 16, Mass.
HELLER Corp., The, 2135 Superior Ave., Cleveland
★HOE, R., & Co., 910 E. 138th St., New York 54
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

NAILS, BLOCKING (BRADS)

★AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.
★HOE, R., & Co., 910 E. 138th St., New York 54
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.

NEGATIVE AND PRINT DRYING CABINETS

CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
★DOUTHITT Corp, 680 E. Fort St., Detroit 26
MERIX Chemical Co., 1021 E. 55th St., Chicago, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
SIMPLEX Specialty Co., 116 W. 14th, New York 11

NEGATIVE CABINETS

ANGLE Steel Stool Co., 127 Oak St., Plainwell, Mich.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago

NEWSPAPER COLOR ATTACHMENTS

★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54
SCOTT, Walter, & Co., Plainfield, N. J.
WOOD Newspaper Mchy. Corp., 501 Fifth Ave., New York 17, N.Y.

NEWSPAPER FILES AND RACKS

BERGER Mfg. Co., Div. Republic Steel Corporation, 1038 Beldon Ave., N. E., Canton 5, Ohio
EQUIPTO Div. Aurora Eqpt. Co., Aurora, Ill.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
THOMPSON Cabinet Co., Ludington, Mich.

NEWSPAPER HEADING MATS

IMPRINT Matrix Co., Charlotte, N. C.

NEWSPAPER AND MAGAZINE REELS, TENSIONS

CAMERON Machine Co., 61 Poplar St., Brooklyn 2

★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., 910 E. 138th St., New York 54
KOHLER System Co., 159 E. Chicago Ave., Chicago
SCOTT, Walter, & Co., Inc., 525 South Ave., Plainfield, N. J.
WOOD Newspaper Mchy. Corp., 501 Fifth Ave., New York 17, N.Y.

NITRAZINE PAPER, GRAVURE

SQUIBB & Sons, E. R., 745 Fifth Ave., New York 22

NUMBERING MACHINES

(See Counters, Daters, Etc.)

O

OFFSET DIRECT PROJECTION MACHINES

CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco, Calif.
HUEBNER Laboratories, 102 Mamaroneck, Mamaroneck, N.Y.
★LANSTON Monotype Corporation, 261 Madison Ave., New York 16, N.Y.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1

OFFSET EQUIPMENT DEALERS

LITHOGRAPHIC Equipment Corp., 500 Fifth Ave., New York City, N.Y.

OFFSET-LITHOGRAPHIC PLATE GRAINING

ALIEN Associates, 1215 Primrose St., Cincinnati 23
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.

OFFSET-LITHOGRAPHIC SUPPLIES

ADDRESSOGRAPH-Multigraph Corp., 1200 Babbit Rd., Cleveland 17
★ANCHOR Chemical Co., Inc., 829 Bergen St., Brooklyn 16, N.Y.
★ANSCO, 40 Charles St., Binghamton, N.Y.
BAUMGARDNER, H. K., Sales & Service Co., 1909 Euclid Ave., Cleveland 15, Ohio
BRADEN-Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Calif.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
★DOUTHITT Corp., 680 E. Fort St., Detroit 26
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
FUCHS & Lang Mfg., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
JONES Graphic Products Co., 118 N. Third St., Albuquerque, New Mexico
LE PAGE'S, Inc., 144 Essex Ave., Gloucester, Mass.
LEVEY Co., Frederick H., 380 Madison Ave., New York 17, N.Y.
★LITHO Chemical & Supply Co., 46 Harriet Pl., Lynbrook, L. I., N.Y.
METZGER, Alfred E., 30 Irving Place, New York 3
NORMAN-Willets Co., 316 W. Washington St., Chicago, 6, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
PHOTO Litho Plate Graining Co., The, 1200 S. Baylis St., Baltimore, Md.
PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago
ROGERS Isinglass & Glue Co., 210 Eastern Ave., Gloucester, Mass.
RYAN, E. G. & Company, 153 W. Huron St., Chicago 18, Ill.
SENEFELDER Co., The, 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 27, N.Y.
TEANECK Chemical Company, Carlstadt, N. J.

OFFSET REGISTERING CHASE

★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.

OFFSET REGISTER RULE

LITHOGRAPHIC Technical Foundation, 220 E. 42nd St., New York 17, N.Y.

OVENS, DRYING

ACME Electric Heating Co., 1217 Washington St., Boston 18, Mass.
★DOYLE, J. E., Co., 1220 W. 6th St., Cleveland 13
GENERAL Research & Supply Co., 527 S. Division Ave., Grand Rapids, Michigan
HOLLINGSWORTH, William, Machine Co., 227 Holliday St., Baltimore 2, Md.
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
WILLIAMSON & CO., Inc., Passaic Ave., Caldwell, N. J.

OVERLAYS, MECHANICAL

★CANTINE, Martin, Co., The, Saugerties, N.Y.
COLLINS, A. M., Mfg. Co., 226 Columbia Ave., Philadelphia, Pa.
OLSEN Mark Corp., 124 White St., New York 13
WALKER-Cameo Overlay Corp., 1374 Massachusetts Ave., Cambridge 38, Mass.

P

PACKAGING AND TYING MACHINERY

ACME Winter Corp., 1559 Niagara St., Buffalo 13
AMSCO Packaging Machinery, Inc., 31-31 48th Ave., Long Island City 1, N.Y.
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
BUNN, B. H., Co., 7605 Vincennes Ave., Chicago 20
CORKPAK Co., Inc., The, 45 South St., Mt. Vernon, N.Y.
GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N.Y.
KNOWLTON, M. D., Co., 47 Clarissa St., Rochester, N.Y.
MERRILL Mfg. Co., Inc., 611 William, Baltimore
PACKAGE Mchy. Co., Springfield, Mass.
REDINGTON, F. B., Co., 112 So. Sangamon St., Chicago 7, Ill.
SIGNODE Steel Strapping Co., 2600 N. Western Ave., Chicago, Ill.
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul, Minn.
STOKES & Smith Co., Inc., Frankford, Philadelphia
TIE Co., The, Unadilla, N.Y.

PADDING PRESSES

CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
DOLLAHITE, K. J., Co., 208 E. 14th St., Ft. Worth, Tex.
GUMMED Tape & Devices Co., 1069 Rogers Avenue, Brooklyn, N.Y.
MURPHY, Joseph E., Co., 25 Ellsworth St., Worcester 3, Mass.
SPEEDY Machinery Co., Hotel Vereen, Miami 35, Fla.
SUTTER, O. W., Mfg. Co., 110 S. Brooke St., Fond du Lac, Wis.

PAGE FRAMES

RIEHL Galley Lock Co., Inc., 748 E. 82nd St., Cleveland 3, Ohio
ROUSE, H. B., & Co., 2314 N. Wayne Ave., Chicago 14, Ill.
SEILER Mfg. Co., 18 W. Main St., Mt. Joy, Pa.

PAGING AND NUMBERING MACHINES

★AMERICAN Numbering Machine Company, Atlantic & Shepherd Aves., Brooklyn 8, N.Y.
BATES Mfg. Co., 30 Vesey St., New York 7, N.Y.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★FORCE, Wm. A., & Co., 216 Nichols Ave., Brooklyn 8, N.Y.
HICKOK, W. O., Mfg. Co., Harrisburg, Pa.
HOOLE Machine & Engraving Works, Inc., 30 Main St., Brooklyn, N.Y.
★MC ADAMS, John & Sons, Inc., 20 Knight St., Norwalk, Conn.
★NYGREN-Dahly Co., 1422 W. Altgeld, Chicago
ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N.Y.

PAPER CLEANERS, SHEET and Web

★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N.J.
★DOYLE, J. E., Co., 1220 W. Sixth St., Cleveland 13

PAPER CUTTERS, TRIMMERS AND ACCESSORIES

(Also see Roll Leaf Cutters)

1 Automatic Power
2 Cutting Sticks
3 Knife Grinders
4 Knives
5 Label
6 Lever
6a Manual
7 Power Gauge
8 Power, Hand Clamp
9 Rotary
10 Safety Guards
11 Sheeter, Roll

1 2 3 4 5 6 7 8 9 10 11
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1 5
AMERICAN Wood Type & Engraving Co., 35 W. 3rd St., New York 12, N.Y.
2
AUTOMATIC Saw Co., 735 E. Ohio St., Indianapolis 2, Ind. 4

1 2 3 4 5 6 7 8 9 10 11
BECK, Charles, Machine Corp., 44 Church Road, King of Prussia, Pa. 11
BOICE-CRANE Co., 930 Central Ave., Toledo 6
3
BOLTON, John W., and Sons, Inc., Lawrence, Mass.
4
BORG-Warner Corp., Atkins Saw Division, 402 S. Illinois St., Indianapolis 9, Ind.
4 9
BRADLEY, Milton Co., 74 Park St., Springfield, Mass.
6
★CHALLENGE Mchy. Co., Grand Haven, Mich.
1 2 4 6 8 10
★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
9 10
★CHANDLER & Price Co., 600 Carnegie Ave., Cleveland 3, Ohio
1 6 8
CHAPMAN Knives & Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
1 2 6 8
CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
1 4 11
COES Knife Co., 72 Coes St., Worcester 3, Mass.
4
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
2
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass. 6
★DEXTER Folder Co., Pearl River, N.Y.
5
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 5, Pa.
4
FATE-Root-Heath Co., Inc., Plymouth, Ohio
3
FREMONT Tool & Die Co., 432 N. Wood St., Fremont, Ohio
5
GLOBE Mfg. Co., 2009 Kinsey St., Philadelphia 24, Pa. 11
★HAMILTON Mfg. Co., Two Rivers, Wis.
2
HANCHETT Mfg. Co., 906 N. State St., Big Rapids, Mich.
3
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
1 2 3 4 5 7 8
HEPPENSTALL Co., Pittsburgh, Pa.
4
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
3 11
HILL, Frank H., Co., Walpole, Mass.
3
HOBBS Mfg. Co., 26 Salisbury St., Worcester 5, Mass.
5 6 9
HOOPER, F. X., Co., Inc., Glen Arm, Md.
1
★IRWIN Mfg. Co., 199 Main St., Garland, Pa.
2
JACQUES, John, & Son, 93 Webster St., Worcester 3, Mass.
4
LASTICKS, Inc., 119-10 Sutphin Blvd., Jamaica, L. I., N.Y.
2
★LAWSON, E. P., Co., 426 W. 33rd, New York 1
1 2 4 5 6 7 8 10
MAXSON Automatic Mchy. Co., 98 Granite St., Westerly, R. I. 11
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass. 11
MICHAEL Lith Inc., 145 W. 45th St., New York 36, N.Y.
6a
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
6 7
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N.Y.
3
NAZ-DAR Co., 469 Milwaukee Ave., Chicago 10
4
OHIO Knife Co., B. & O. R. R. & Dreman Ave., Cincinnati 23, Ohio
8
PARSONS & Whittmore Inc., 250 Park Avenue, New York 17, N.Y.
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
2 3 4 6
POWER Gauges, 304 Hudson St., New York 13
7
★PRINTING Machinery Co., 436 Commercial Sq. Cincinnati 2, Ohio
5
★ROBERTSON, Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago
4
ROBINSON, John T., Co., 1476 River St., Boston 36
9
ROGERS, Samuel C., & Co., 191 Dutton Ave., Buffalo 11, N.Y.
3 4
SANDBERG Mfg. Co., 1941 W. Fulton St., Chicago
2
SHERIDAN, T. W. & C. B., Co., 129 Lafayette St., New York 13, N.Y.
1 8
★SIEBOLD, J. H. & G. B., 150 Varick St., New York 13
2

1 2 3 4 5 6 7 8 9 10 11
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
4 9
SIMONDS Worden White Co., 604 Negley Pl., Dayton 7, Ohio
4 9
SMITH & Winchester Mfg. Co., Inc., South Windham, Conn.
1 2 6 9 11
SUPER Speed Printing Machinery Co., 1712 E. 27th St., Cleveland, Ohio
1 4 5 6 7
THOMPSON Cabinet Co., Box 286, Ludington, Mich.
2
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
1 2 4 5 7
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7, Mass.
3 4 8
WAPAKONETA Machine Co., Box 179, Wapakoneta, Ohio
4
WEBER, H E., Co., Inc., Kiel, Wis.
11

PAPER-EQUIVALENT SCALE

HOCH, Fred W., & Assoc., 461 Eighth Ave., New York, N.Y.
TESTING Machines, Inc., 123 W. 64th St., New York 23, N.Y.
THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia 44, Pa.

PAPER PILE INVERTER

ABRAMS, M. L., Co., 1841 Prospect Ave., Cleveland, Ohio
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine

PAPER SKIDS AND PLATFORMS

ALL STEEL Welded Truck Corp., 1149 Railroad Ave., Rockford, Ill.
★CLINE Electric Mfg. Co., 4305 W. 47th St., Chicago, Ill.
EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.
KOHLER Systems Co., 159 E. Chicago Ave., Chicago 11, Ill.
LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.
MARKET Forge Co., 30 Garvey St., Everett 49, Mass.
NUTTING Truck & Castor Co., 1125 W. Division St., Faribault, Minn.
REVOLVATOR Co., 86th St. & Tonnelle Ave., North Bergen, N. J.
SERVICE Caster & Truck Corp., The, 620 N. Brownswood Ave., Albion, Mich.

PARCHMENT, SHEEPSKIN

GLOGAU & Co., 1914 W. Birchwood, Chicago 5, Ill.

PASTERS, FLYING, FOR PRESSES
(See Flying Pasters for Presses)

PEBBLING MACHINES
(See Embossing Machines, Roller)

PENS, RULING

DREDGE, A., Ruling Pen Co., 105 Johnson Ave., Hackensack, N. J.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
LINDBLADH Corp., 201 Morris St., Toledo 4, Ohio
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

PERFORATING MACHINES

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
CUMMINS Business Machines Corp., 4789 Ravenswood Ave., Chicago 40, Ill.
★DEXTER Folder Co., Pearl River, N.Y.
FORD Instrument Co., 31-10 Thomsen Ave., Long Island City 10, N.Y.
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★LAWSON, E. P., & Co., 424 W. 33rd St., New York 1, N.Y.
McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
★NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
★ROSBACK, F. P., Co., 5th and Park Sts., Benton Harbor, Mich.

PERFORATING, SLITTING AND SCORING ATTACHMENTS, PRESS

ACME Printing Appliance Co., 9455 Seymour Ave., Schiller Park, Ill.
BEALL, Jack, 641 S. Dearborn St., Chicago 5, Ill.
★CHAMPLAIN Co., 88 Llewellyn Ave., Bloomfield, N. J.
★COWAN Pressroom Products, Inc., 1651 Cosmos St., Hollywood 28, Calif.
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
★HARRIS-Seybold Co., 4510 E. 71st St., Cleveland 5
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
ORTLEB Machinery Co., 3818 Laclede Ave., St. Louis, Mo.
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.

PHOTOCOMPOSING (Step & Repeat) MACHINES

ANDERSON, Paul, Mfg. Co., 125 Broadway, San Antonio, Texas
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
EUREKA Photo Offset Engraving, Inc., 20 Vandam St., New York, N.Y.
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N Y.
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
PRINTING Engineers, Inc., 2961 Farnum St., Omaha 2, Neb.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 1010 44th Ave., Long Island City, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
YOUNG, Howell, T., 30 East End Ave., New York 28, N.Y.

PHOTOCOPY EQUIPMENT, PAPER AND CHEMICALS

CHEMCO Photo Products Co., New St., Glen Cove, N.Y.
DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N.Y.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit
GRAPHIC Arts Research Foundation, 112-114 W. Kinzie St., Chicago 10, Ill.
★HALOID Co., 53-219 Haloid St., Rochester 3, N. Y.
HUNT, Phillip A. Co., Palisades Park, N. J.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
REMINGTON Rand, Inc., 315 Fourth Ave., New York 10, N Y.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

PHOTO-IMPOSING SYSTEMS

★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.

PHOTO-LETTERING MACHINES

★AMERICAN Type Founders, 200 Elmora Avenue, Elizabeth 8, N. J.
COXHEAD, Ralph C., Corp., 333 Sixth Ave., New York, N.Y.
FILMOTYPE Corp., 60 W. Superior St., Chicago 10, Ill.
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City, N.Y.

PHOTOTYPE LETTERS

ARTYPE, Inc., 549 W. Randolph, Chicago 6
FOTOTYPE Co., 1414 W. Roscoe, Chicago

PHOTOTYPE SETTING MACHINE

★INTERTYPE Corporation, 360 Furman St., Brooklyn 2, N.Y.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
PHOTON, Inc., 58 Charles St., Cambridge, Mass.

PLANERS (See Saws and Planers)

PLANT LAYOUT SERVICE

★GRAPHIC Arts Industry, Inc., 1104 Currie Ave., Minneapolis 3, Minn.

PLATE COATING AND WHIRLING MACHINES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
AMSTERDAM Cont'l Types & Graphic Equip., Inc., 268 Fourth Ave., New York 10, N.Y.
AURORA School of Photo-Engraving, Aurora, Mo.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BROWN, W. A., Mfg. Co., 3035 Charleston St., Chicago 47, Ill.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26
GELB Company, Joseph, 52 Arlington St., Newark 2, N. J.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
MASTER Etching Machine Co., 127 Greenwood Ave., Wyncote, Pa.
McKINLEY Litho Supply Co., 1623 John St., Cincinnati 14, Ohio
MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
PICTORIAL Machinery Ltd., Crawley, Sussex, England
PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
ZARKIN Machine Co., Inc., 34-19 10th St., Long Island City 6, N.Y.

PLATES MADE FOR THE TRADE
Offset and Letterpress

1 Lithographic
2 Photo-engraving
3 Rubber

1 2 3
BRAUER & Sons, Inc., 1718 N. 1st St., Milwaukee
1
ERSCO, 1930 Patterson Ave., New York 72, N.Y.
GRAPHIC Arts Corp. of Ohio, Jackson at 11th, Toledo 2, Ohio
1 2
★JAHN & Ollier, 817 W. Washington St., Chicago
1 2
MARK, John G., & Son, 525 Broadway, New York 12, N.Y.
1
METZGER, Alfred E., 30 Irving Place, New York 3
1
MONO Trade, 213 S. Sixth St., Minneapolis, Minn.
1
MOSSTYPE Corp., 33 Flatbush Ave., Brooklyn 17, N.Y.
3
OFFSET Printing Plate Co., 100 Bleeker St., New York 12, N.Y.
1
★PROCESS Color Plate Co., 522 S. Clinton St., Chicago, Ill.
1 2 3
PROCESS Litho Arts Inc., 4515 N. Kedzie Ave., Chicago 25, Ill.
1

PLATEMAKING MATERIAL

1 Aluminum
2 Brass
3 Copper
4 Lead
5 Linoleum, Battleship
6 Plastic
7 Rubber
8 Steel
9 Magnesium, polished for Photo Engravers
10 Zinc, Polished, Photo Engravers
11 Zinc, Offset-Litho

1 2 3 4 5 6 7 8 9 10 11
ALJEN Associates, 1215 Primrose St., Cincinnati 23
1 11
ALUMINUM Co. of America, 2116 Gulf Bldg., Pittsburgh, Pa.
1 10 11
AMERICAN Brass Co., Waterbury 20, Conn.
2 3
★AMERICAN Evatype Corp, Deerfield, Ill.
7
AMERICAN Zinc Products Co., Greencastle, Ind.
3 10 11
AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 Whitehall St., New York 4, N.Y.
ATLANTIC Zinc Works, 210 Van Brunt St., Brooklyn 31, N.Y.
2 3 9 10
BAKELITE Corporation, 283 Madison Ave., New York 17, N.Y.
6
★BLATCHFORD Div. National Lead Co., 111 Broadway, New York City
4
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CALIFORNIA Ink Co., Inc., 545 Sansome St., San Francisco, Calif.
1 2 3 4 10 11
CRONITE Co., Inc., 88th St. & Hudson Blvd., North Bergen, N. J.
2 3 8
DAVIDSON Corp., Sub. of Mergenthaler Linotype Co., 1020 W. Adams, Chicago 7
1 11
★DAYTON Rubber Mfg. Co., Dayton 1, Ohio
7
DIVISION Lead Co., 7742 W. 61st Place, Summit, Ill.
4
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
10 11
DU PONT, E. I., de Nemours & Co., Plastic Plate Div., Arlington, N. J.
6
★ECONO Products, Inc., 132 Humboldt St., Rochester 10, N.Y.
6 7
EDES Manufacturing Co., Water St., Plymouth, Mass.
3 10
EMPIRE Metal Company, 820 E. Water St., Syracuse 3, N.Y.
1 2 3 4
FEDERATED Metals Division, American Smelting and Refining Co., 120 Broadway, New York 5, N.Y.
4
FOTOPLATE Co., 32 Oxford St., Newark 5, N. J.
1 11
FUCHS & Long Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
1 11
GARDNER Metal Co., 4820 S. Campbell Ave., Chicago 32, Ill.
4
GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
6 7
GOODYEAR Tire & Rubber Co., 1114 E. Market St., Akron 16, Ohio
6 7
★HILL Rubber Co., 2728 Elston Ave., Chicago 47, Ill.
7
HOKE Engraving Plate Co., 1024 Park Ave., St. Louis 4, Mo.
8

1 2 3 4 5 6 7 8 9 10 11
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill. 7
ILLINOIS Zinc Company, 2959 W. 47th St., Chicago 32, Ill.
IMPERIAL Type Metal Co., 1800 S. 54th Ave., Chicago 50, Ill. 10
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
1 11
★LITHO Chemical & Supply Co., 46 Harriet St., Lynbrook, L. I., N.Y.
1
LITHOMAT Corp., 58 Charles St., Cambridge, Mass.
6
MATTHIESSEN & Hegeler Zinc Co., LaSalle, Ill.
11
MELIND, Louis, Co., 362 W. Chicago Ave., Chicago 10, Ill. 7
METZGER, Alfred E., 30 Irving Place, New York 3
11
MILLER-Trojan Co., Inc., 1083 W. Main St., Troy, Ohio
MONOMELT Company, 1611 Polk St. N.E., Minneapolis 13, Minn.
6 7
PIONEER Rubber Engraving Co., 21 East 17th St., New York 3, N.Y.
5 7
PITMAN, Harold M., Co., 51st Ave. & 33rd St., Chicago 50, Ill.
2 3 10
REVERE Copper & Brass Inc., 230 Park Ave., New York, N.Y.
1 2 3
ROLLED Plate Metal Co., 196 Van Brunt St., Brooklyn 31, N.Y.
3 10
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.
11
SENEFELDER Co., The, 32 Greene St., New York 13
1 11
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N.Y.
1 11
STUDEBAKER Hydraulic Products Co., 1221 S. 9th Ave., Maywood, Ill.
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
2 3 10
THICKOL Chemical Corp., 780 N. Clinton Ave., Trenton 7, N. J.
7
★TI-PI Company, 1000 Broadway, Kansas City 6, Missouri
6 7
UNITED States Rubber, Inc., 1230 Sixth Ave., New York 20, N.Y.
7
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
6 7
★WILSOLITE Corp., 1827 Niagara St., Buffalo 7
6 7

PLATE MOLDING EQUIPMENT (Rubber and Plastic)

A. A. A. Manufacturing Co., 1812 S. Main St., South Bend 14, Ind.
ADDRESSING Machine & Equip. Co., 326 Broadway, New York 7, N.Y.
★AMERICAN Evatype Corp., Deerfield, Ill.
ELECTRO-Copyst, Inc., 205 E. 42nd, New York 17, N.Y.
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N.Y.
MONOMELT Company, 1611 Polk St. N. E., Minneapolis 13, Minn.
PARSONS & Whittemore, Inc., 250 Park Avenue, New York 17, N.Y.
PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
STEREOTEX Machinery Co., Box 31, Westport, Conn.
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.

PLATE MOUNTING DEVICES AND SYSTEMS

1 Patent Base and Tools
2 Type Metal Base
3 Mounting System

1 2 3
★BLATCHFORD, E. W., Co., 111 Broadway, New York
1
★CHALLENGE Machinery Co., Grand Haven, Mich.
1
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
3
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
1
FEEHERY Engineering Mach. Co., 2317 N. 15th St., Philadelphia 32, Pa.
1
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
2
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill.
1 2 3
MORRISON Company, 125 W. Melvina St., Milwaukee 12, Wis.
3
MOSSTYPE Corp., 33 Flatbush Ave., Brooklyn 17, N.Y.
3

1 2 3
M & L Typesetting & Electrotyping Co., Inc., 4001 Ravenswood Ave., Chicago 13, Ill.
2
PITT, J. W., Inc., Bath, N.Y.
1
★PRINTING Machinery Co., The, 436 Commercial Sq., Cincinnati 2, Ohio
1 2 3
UNIQUE Steel Block Co., 304 Chemung St., Waverly, N.Y.
1
★VANDERCOOK & Sons, 3601 W. Touhy Ave., Chicago 45, Ill.
2 3
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
1 3

PLATES, ALMANAC & CALENDAR

PONTIAC Engraving & Electrotype Co., 812 W. Van Buren St., Chicago 7, Ill.

PNEUMATIC DISPATCH TUBES

LAMSON Corp., Syracuse 1, N.Y.

POLISH, METAL

GISLER Polish, Inc., 557 E. Washington St., Indianapolis 4, Ind.
HANSON-Van Winkle-Munning, Matawan, N. J.
NAZ-DAR Company, 461 Milwaukee Ave., Chicago 10, Ill.
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y.
WEST Disinfecting Co., 42-16 West St., Long Island City 1, New York

POURING SHEETS

★HOE, R., & Co., 910 E. 138th St., New York 54
UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.

PRE-REGISTER IMAGE EQUIPMENT

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.
TAYLOR Machine Co., 210 Guilford Ave., Baltimore

PRESS ATTACHMENTS (Also see Brakes, Press; Feeders, Folders, etc.; Gauge Pins, etc.)

1 Curled Stock Holders
2 Envelope Flap Holders
3 Foot Extensions
4 Guard, Hand, Platen Press
5 Hose for Press Air System
6 Pile Braces
7 Register Device for Verticals
8 Roll Winding Machines
9 Spring Clips
10 Web Side-Guiding Controls
11 Web Tensions

1 2 3 4 5 6 7 8 9 10 11
BEALL, Jack, 641 South Dearborn Street, Chicago 5, Ill.
5 7
CAMERON Machine Co., 61 Poplar St., Brooklyn 2
8 10 11
CARLSON Co., The, 15 Hathaway St., Boston 10
7
FORD Instrument Co., 31-10 Thomson Ave., Long Island, N.Y.
8
KOHLER System Company, 159 E. Chicago Ave., Chicago 11, Ill.
8 10 11
MACK Specialties Co., 18 E. Fourth St., Cincinnati 2
1 2 3 6 8 9
MOTTER, Geo. F., & Sons, 132 S. Pershing Ave., York, Pa.
8 10 11
NATIONAL Sherardizing & Machine Co., 868 Windsor St., Hartford, Conn.
4
★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
5
PAPER Converting Machine Co., 601 Harvey, Green Bay, Wis.
8
RATHBUN & Bird Co., 379 W. Broadway, New York 12, N.Y.
4
RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic
5
SMITH & Winchester Mfg. Co., So. Windham, Conn.
10
WALDRON, John, Corp., Box 791, New Brunswick, N. J.
10 11

PRESS PLATES (Saw Steel Drawsheets and Tympans for Steel Rule Die Cutting)

★ACCURATE Steel Rule Die Manufacturers, 22 West 21st St., New York 10, N.Y.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
BAR-Plate Mfg. Co., Boston Post Rd., Orange, Conn.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35 Pa.

PRESSES, PRINTING (Also see Die Cutting Machines, Die Cutting Presses, Die Stamping Presses and Embossing Machines)

1 Anilin
2 Cylinder
3 Die-Cutting
4 Electronographic
5 Embossing
6 Flatbed Web
7 Gravure
8 Gravure Roll Feed
9 Gravure Sheet Feed
10 Magazine
11 Miehle, 3rd Color Unit
12 Multi-Color
13 Newspaper
14 Offset-Lithographic
15 Offset-Lithographic Roll Feed
16 Offset-Lithographic Sheet Feed
17 Perfecter, Cylinder
18 Photogelatin (Collotype)
19 Platen
20 Platen, Roll Feed
21 Rotary, Letterpress, Roll Feed
22 Rotary, Letterpress, Sheet Feed

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
ADDRESSING Machine & Equipment Co., 326 Broadway, New York 7, N.Y.
14
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbit Road, Cleveland, Ohio
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N.Y.
2 8 10
12 13 14 15 16 17
BABCOCK Printing Press Corp., 800 Waynesburg Road, S. E., Canton 7, Ohio
7 8 10
12 14 16 21
BANTHIN Eng. Co., 1849-57 Main St., Bridgeport 4, Conn.
2
BATHRICK & Palmer Co., 1317 Princeton St., Elkhart, Ind.
3 21 22
★BRANDTJEN & Kluge, Inc., Gaultier St. & Como Ave., St. Paul, Minn.
3 5 19
★CHALLENGE Mchy. Co., Grand Haven, Mich.
2
14
★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
1 7 8
12 21
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
2 3 5
19
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
7 8 10
12 21
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
19
COMMERCIAL Iron Works, 2424 Porter St., Los Angeles, Calif.
21
CRONITE Company, 35 Park Place, New York City 7, N.Y.
5 7
DAVIDSON Corp., Subs. of Morgenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
14 16
DIETZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.
1
★DUTRO, Orville & Sons, Inc., 1206 Maple Ave., Los Angeles
21
FORD Instrument Co., 31-10 Tomson Ave., Long Island, N.Y.
8
21
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
6 7 8 10
12 13 21
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N.Y.
1
12 21
★HAMILTON Tool Co., 832 S. Ninth St., Hamilton, Ohio
1 2 7
15 21
★HARRIS-Seybold Company, 4510 E. 71st St., Cleveland 5, Ohio
9
12 14 16 22
★HEIDELBERG Sales Co., 120 N. Sampson St., Houston 3, Texas; 118 E. 12th St., Los Angeles 15, Calif.; 45-45 Thirty-ninth St., Long Island City 4, N.Y.
3 5
19
HEINRICH, H. H., Inc., 111 Eighth Ave., New York 11, N.Y.
1
12
HENDY, Joshua, Corp., 601 W. 5th St., Los Angeles 13, Calif.
12 13 15

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
★HENSCHEL, C. B., Mfg. Co., 229 W. Mineral St., Milwaukee 4, Wis.
1
12
★HESS & Barker, 212-22 S. Darien St., Philadelphia
1
12 21
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
7 8 10
12 13 14 15 16 21
HOOPER, F. X., Company, Incorporated, Glen Arm, Maryland
2
HUDSON-Sharp Machine Co., 1207 Main St., Green Bay, Wis.
1
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
4
INMAN Mfg. Co., 41 Guy Park Ave., Amsterdam, N.Y.
21
INTA-Roto Machine Co., R.F.D. 6, Box 61, Richmond, Va.
1 7 8
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
14 16
KESLEY Co., 45 Crown St., Meriden, Conn.
19
KIDDER Press Co., Inc., Dover, N. H.
1 7 8
15 21 22
LEVEY Co., Frederick H., 380 Madison Ave., New York 17, N.Y.
14
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
1 2 7
12 14 15 21
★MIEHLE Printing Press & Mfg. Co., 2011 Hastings St., Chicago 8, Ill.
2 3 7 8 9 10
12 13 14 16 17 22
★MILLER Printing Mchy. Co., 1117 Reedsdale St., Pittsburgh 12, Pa.
2 3 5
12 14 15 16
34
MOTTER'S, George F., & Sons, 132 S. Pershing Ave., York, Pa.
1 7 8 9 10
12 13 15 17 21
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
1
★NEW Era Mfg. Co., 375 Eleventh Ave. Paterson 4, N. J.
3 6
12 19 20
OLSENMARK Corp., 124 White St., New York 13
5
PACKER Mfg. Co., Inc., Green Bay, Wis.
1 3
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
1
21
PARSONS & Whittemore, Inc., 250 Park Avenue, New York 17, N.Y.
2
13
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis, Missouri
19
PEARCE Development Co., 1606 E. 30th St., Cleveland 14, Ohio
3 6
12 20
PEERLESS Roll Leaf Co., 4511 New York Ave., Union City, N. J.
PRECISE Engineering Co., 10014 S. Western Ave., Chicago, Ill.
1 8
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
1
12 21
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
1 3
12 21
SCOTT, Walter, & Co., Plainfield, N. J.
2 7 8 10
12 13 21
SHAW Machine Tool Co., 1151 Temple St., Los Angeles 12, Calif.
21
SOUTHERN Printing Machinery, Inc., 521 Marietta St. N. W., Atlanta, 13, Ga.
19
SPECIALTY Automatic Machine Co., 88 Gerrish Ave., Chelsea 50, Mass.
1 2 6
21 22
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
7 8
STAUDE, E. G., Div. The Sperry Corp., 2675 University Ave., St. Paul 4, Minn.
7 8
12 21
STOESSEL Machine Mfg. Corp., 534 W. 35th St., New York 1, N.Y.
1 2 7 8 9
21 22

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
SWIFT, George W., Inc., 7 Ward St., Bordentown, N. J.
2
21
THOMSON-National Press Co., Franklin, Mass.
3 5
19
TURNER Printing Machinery Inc., 2630 Payne Ave., Cleveland, Ohio
2 3 6 10
13 14 19 21 22
VERNER, B., & Co., 52 Duane St., New York, N.Y.
2
WALDRON, John, Corp., New Brunswick, N. J.
1 7 8
12 13 15 21
WEBER, H. G., Co., Inc., Kiel, Wis.
1
★WESTERN Printing Mchy. Co., 3519 N. Spaulding, Chicago, Ill.
11
21
WILLSEA Works, 371 St. Paul St., Rochester 5, N.Y.
2
21
WOOD Newspaper Mchy. Corp., 501 Fifth Ave., New York 17, N.Y.
12 13
★YOUNG Engineering Co., 2429 N. Sheffield, Chicago
1 3 5 7
12 14 15 19 21
ZARKIN Machine Co., 34-19 10 St., Long Island City, N.Y.
14 16

PRESSES, PROOF

1 Multi-Color
2 Offset-Lithography
3 One Color
4 Rotogravure

1 2 3 4
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
2 3
AMSTERDAM Continental Types & Graphic Equipment, Inc., 268 Fourth Ave., New York 10, N.Y.
2
★CHALLENGE Machinery Co., Grand Haven, Mich.
1 3
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
2
COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
DOLLAHITE, K. J., Co., 208 E. 14th St., Fort Worth, Texas
3
★FOSTER Manufacturing Co., 333 S. Broad St., Philadelphia, Pa.
3
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
1 3
HEINRICH, H. H., Inc., 111 Eighth Ave., New York 11, N.Y.
1
12
★HOE, R., & Co., 910 E. 138th St., New York 54
INTA-Roto Machine Co., Inc., R.F.D. 6, Box 61, Richmond, Va.
4
LINOTYPE Maintenance Co., 273 Broadway, New York 7, N.Y.
1 3
MOTTER'S, George F., & Sons, 132 S. Pershing Ave., York, Pa.
1 3
NOLAN Corp., 1333 E. Dominick St., Rome, N.Y.
3
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
3
RUTHERFORD Machinery Co., Div. Su· Chemical Corp., 10th and 44 Ave., Long Island City 1, N.Y.
2
★VANDERCOOK & Sons, 3601 W. Touhy Ave., Chicago 45, Ill.
1 2 3
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
3

PRESSES, SPECIALTY PRINTING

1 Bag
2 Bank Note
3 Carton, Container
4 Cellophane
5 Check
6 Continuous Forms, etc.
7 Drinking Cup, Rotary, Web
8 Embossed, Die-Cut Seals
9 Envelope
10 Pens, Novelties, etc.
11 File Folder
12 Foil
13 Fruit Stamping
14 Imprinting, Bank Check, Cartons, Labels, etc.
15 Label
16 Letter, Form
17 Match Book Cover
18 Menu
19 Metal Plate, Glass, and Plastics
20 Milk Bottle Cap
21 Pencil
22 Photogelatin
23 Register Form
24 Rolling Surfaces and Rubber Ball
25 Sales Book
26 Show Card
27 Silk Screen
28 Snap-out and Zigzag
29 Tag
30 Tape and Ribbon
31 Ticket
32 Tube
33 Typewriter Ribbon Attachment
34 Wet Paper
35 Wood
36 Wrapper

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio
1 3 9
12 14 15 16 18
36
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
1 2 4 5
12 18
23 25 26 28 29 31
36
APEX Machine Co., 14-13 118th St., College Point, 56, New York
21
24 32
BATHRICK & Palmer Co., 1317 Princeton St., Elkhart, Ind.
15 19
31
35
★BRANDTJEN & Kluge, Como at Gaultier Sts., St. Paul, Minn.
14
★CHAMPLAIN Co., Inc., 88 Llewellyn Ave., Bloomfield, N. J.
1 3 4 7 11
12 14 15 17 20
29 30
36
★CHANDLER & Price Co., 6000 Carnegie Ave., Cleveland 3, Ohio
18 8 9
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
3 4
12 15
36
CRONITE Co., 88th St. & Hudson Blvd., North Bergen, N.J.
2
EVER Ready Label Corp., 337 Cortlandt St., Belleville 9, N. J.
30
GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich.
17 19
27
GOAT, Fred, Co., 314 Dean St., Brooklyn 10, N.Y.
3
14
HAIDA Engineering Co., 34-11 Vernon Blvd., Long Island City 1, N.Y.
1
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
1 2 5 6
15 16
23 25 28 30 31
36
★HARRIS-Seybold Co., 4510 E. 71st, Cleveland 5
3 9
HEINRICH, H. H., Inc., 111 Eighth Ave., New York 11, N.Y.
1 3 4 7
12
36
HENDY, Joshua, Corp., 601 W. 5th St., Los Angeles 13, Calif.
15
36
★HESS & Barker, 212 S. Darien St., Philadelphia 7, Pa.
1 7
15
★HOE, R., & Co., Inc., 910 E. 138th St., New York
2
HOOPER, F. X., Co., Inc., Glen Arm, Md.
3 20
35
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
IMPERIAL Lithograph Press Corp., 11 W. 42nd St., New York 18
15
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
3
KIDDER Press Co., Dover, N. H.
1 4 7
12 13
LINE-O-SCRIBE, Div. Globe Corporation, 400 N. Michigan Ave., Chicago 11, Ill.
26
★McADAMS, John, & Sons, 20 Knight St., Norwalk, Conn.
14
MAKATAG Company, 2 Linden St., Reading, Mass.
29
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
2 4 5 6 9 11
14 15 16
25 28 31
36

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36
MARKEM Machine Co., Congress St., Keene, N. H.
3
14 15
29 30 31
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
8
★MIEHLE Ptg. Press & Mfg. Co., 2011 W. Hastings St., Chicago 8, Ill.
3 5
14 15 16 17 18
★MILLER Printing Machine Co., 1117 Reedsdale St., Pittsburgh 12, Pa.
3 5
15 16 17
MOTTER'S, George F., & Sons, 132 S. Pershing Ave., York, Pa.
1 2 3 4 5 7
15 17 19
36
NAZ-DAR Company, 469 Milwaukee Ave., Chicago
27
★NEW Era Mfg. Co., 375 11th Ave., Paterson 4
5 6
15 17
23 25 28 29 31
★ORVILLE Dutro & Son, Western Gear Works, 2630 Imperial, Lynwood, Calif.
6
PACKER Mfg. Co., Green Bay, Wis.
1 3 4 6
15
23 25 28 30
36
PAPER Converting Machines Co., 601 Harvey St., Green Bay, Wis.
1 2 3 4 5 6 7
15 17 30
36
PAPERLESS Labellers, Inc., 304 N. Columbus St., Lancaster, Ohio
15
PEARCE Development Co., 1606 E. 30th St., Cleveland 14, Ohio 6
15 17
29 31
POST Manufacturing Works, 671 Diversey Parkway, Chicago 14, Ill.
1 9
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
1 4 7
15 17
36
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
3 19
27 32
RYAN, E. G., Co., 153 W. Huron St., Chicago, Ill.
5 6 7 9 11
14 15 16 17 18
25 28 29 31
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
1 3 4 6 7
12 15 17
SCHMUTZ Mfg. Co., Inc., 1600 W. Main St., Louisville, Ky.
19
SELECTASINE Corp., 2738 Van Buren St., Chicago
27
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
9
STOESSEL Machine Mfg. Corp., 534 W. 35th St., New York 1, N.Y.
4
14 15
30
SWIFT, George W., Inc., 7 Ward St., Bordentown, N. J.
3 6
VERNER, B., & Co., 52 Duane St., New York 7
9
14 17
29
WALDRON, John, Corp., New Brunswick, N. J.
1
24 28
36
★WESTERN Printing Machinery Co., 3519 N. Spaulding St., Chicago, Ill.
3
WILLSEA Works, 371 Saint Paul St., Rochester 5, N.Y.
3
YOUNG Engineering Co., 2429 N. Sheffield, Chicago
1 2 3 6 9
15 16 17 20
25 29 31

PRINTING FRAMES
(Also see Vacuum Printing Frames)

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J
BEATTIE Process Camera Corp., P. O. Box 70, Chatham, N. J.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
GELB Company, Joseph, 52 Arlington St., Newark 2, N. J.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
MILLER-Trojan Co., Inc., 1983 W. Main St., Troy, Ohio
★NU Arc Company, 824 S. Western Ave., Chicago 12, Ill.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1
RYAN, E. G., Co., 727 S. Dearborn, Chicago, Ill.
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

PRINTING PAPER, SENSITIZED

DEFENDER Photo Supply Co., Inc., 666 Driving Pk. Ave., Rochester 13, N.Y.
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
★KLEEN-Stik Products, Inc., 7300 W. Wilson Ave., Chicago, Ill.

PUMPS, AIR, INK, OIL, AND VACUUM

BOWSER, S. F., & Co., 1302 Creighton Ave., Ft. Wayne, Ind.
DUDLEY, Kenneth E., Co., Box 806, Hagerstown, Md.
FAIRBANKS, Morse & Co., 900 S. Wabash, Chicago
★GAST Mfg. Co., 113 Hinkley St., Benton Harbor, Mich.
N.Y
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N. J.
NEW Jersey Machine Corp., 15th & Willow Ave., Hoboken, N. J.

PUNCHES, PRESS
(See Ejector Press Punches)

PUNCHING AND ROUND CORNERING MACHINES

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
BERRY Machine Co., 716 N. First St., St. Louis, Mo.
★CHALLENGE Machinery Co., Grand Haven, Mich.
CRAFTSMAN Machinery Co., 575 Atlantic Ave., Boston, Mass.
G. B. C. Manufacturing Co., 812 Belmont Ave., Chicago 14, Ill.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
LASSCO Products, Inc., 485 Hague St., Rochester, N.Y.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
MICK, Walter K., Co., 500 Robert St., St. Paul 1, Minn.
★NYGREN-Dahly Co., Inc., 1422 W. Altgeld St., Chicago, Ill.
★PIONEER-Toledo Corp., 1130 Nebraska Ave., Toledo, Ohio
★PRINTING Machinery Co., 436 Commercial Sq., Cincinati 2, Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
★ROSBACK, F. P., Co., 5th & Park Sts., Benton Harbor, Mich.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me.
SPIRAL Binding Co., 406 W. 31st St., New York 1
★STANDARD Tag Co., 116 Duane St., New York, N.Y.
SUPER Speed Printing Machinery Inc., 1712 E. 27th St., Cleveland 14, Ohio
TURNER Printing Machinery Co., 2630 Payne Ave., Cleveland 14, Ohio

PUNCH PRESSES

WALSH Press & Die Co., 4737 W. Kinzie St., Chicago 44, Ill.

PYROMETERS (See Temperature Control and Indicators, Metal)

Q

QUOINS AND KEYS

1 Keys
2 Quoins
1 2
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1 2
AMERICAN Wood Type, 35 W. 3rd St., New York 12, N.Y.
1 2
★CHALLENGE Machinery Co., Grand Haven, Mich.
1 2
HEMPEL, H. A., 586 Tonawanda St., Buffalo 7, N.Y.
1 2
★HOE, R., & Co., Inc., 910 E. 138th St., New York
1 2
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N.Y.
1 2
★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
2
1 2
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
1 2
STEPHENS, Samuel and Wickersham Co., 174 High St., Boston 10, Mass.
1 2
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
1 2
THOMPSON Cabinet Co., Box 286, Ludington, Mich.
2

R

REFRIGERATING EQUIPMENT

AIRTEMP Division Chrysler Corp., 1600 Webster St., Dayton, Ohio
CARRIER Corp., 300 S. Geddes St., Syracuse 1, N.Y.
GENERAL Electric Co., 1 River Road, Schenectady 5
TRANE Co., La Crosse, Wis.
WESTINGHOUSE Electric Corp., P. O. Box 868, Pittsburgh, Pa.

REGISTERING SYSTEMS

BIENFANG Products Corp., Metuchen, N. J.
CARLSON Co., The, 15 Hathaway St., Boston 10
★CHALLENGE Machinery Co., Grand Haven, Mich.
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago, Ill.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★COTTRELL Company, The, A Subsidiary of Harris-Seybold Co., Box 515, Westerly, R. I.
CRAFTSMEN Line-Up Table Corp., 49 River St., Waltham 54, Mass.
ELECTRIC Eye Equipment Co., 1930 East Fairchild St., Danville, Ill.
HEINRICH, H. H., Inc., 200 Varick St., New York
★HESS & Barker, 212 S. Darien St., Philadelphia 7
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LONG Eng. Research Corp., 1000 Wheatsheaf Rd., Linden, N. J.
OLSEN Mark Corp., 124 White St., New York 13
★PRINTING Machinery Co., 436 Commercial Sq., Cincinnati 2, Ohio
STA-Hi Corp., 235 W. Washington Blvd., Whittier, Calif.
★TAYLOR Machine Co., 210 Guilford Ave., Baltimore
★VANDERCOOK & Sons., Inc., 3601 W. Touhy Ave., Chicago 45, Ill.
WOOD Newspaper Machinery Corp., 501 Fifth Ave., New York 17, N.Y.

REPRODUCTION PROOFING SYSTEM

TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn
★VANDERCOOK & Sons., Inc., 3601 W. Touhy Ave., Chicago 45, Ill.

RIVETING MACHINES

STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N.Y.

ROLLER CORES, BALL BEARING

BINGHAM'S, Sam'l, Sons Mfg. Co., 636 Sherman St., Chicago 5, Illinois
HART, Wm. C., Co., 137 Greene St., New York
MOTOR City Roller Co., 448 E. Lafayette, Detroit 26

ROLLER, INKING, COATING MACHINES

BINGHAM'S, Sam'l, Sons Mfg. Co., 636 Sherman St., Chicago 5, Ill.
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
ROSS, Charles & Son, Co., 148-156 Classon Ave., Brooklyn, N.Y.

ROLLER, INKING, CONDITIONING DEVICE

BLACK Rock Mfg. Co., 189 Osborne St., Bridgeport 5, Conn.

ROLLER SECTIONING MACHINE
(For "Split" Rollers)

BINGHAM'S, Sam'l, Sons Mfg. Co., 636 Sherman St., Chicago, Ill.
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.

ROLLER SPRAYS
(See Anti-Offset Equipment)

ROLLER TRUCKS, EXPANSION

★COWAN Pressroom Products, Inc., 1651 Cosmo St., Hollywood 28, Calif.
MOTOR City Roller Co., 448 E. Lafayette, Detroit 26
★RAPID Roller Co., 2558 S. Federal St., Chicago 16, Ill.

ROLLER WASHING MACHINES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N.Y.
BAR-PLATE Mfg. Co., Boston Post Road, Orange, Conn.
CLEAN-A-Press Machine Co., Box 264, Des Moines 1
★GEGENHEIMER, Wm., 80 Roebling St., Brooklyn
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
HOLLINGSWORTH, Wm., Machine Co., 227 Holliday St., Baltimore 2, Md.
INTERNATIONAL Press Cleaner & Mfg. Co., 112 Hamilton Ave., Cleveland, Ohio
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.
RYAN E. G., Co. 727 S. Dearborn St., Chicago 5, Ill.

ROLLERS

1 Composition
2 Covered
3 Folding Machine
4 Gravure
5 Hand
6 Offset-Lithographic
7 Proofing
8 Rubber, Natural
8a Neoprene Letterpress
9 Rubber, Synthetic
10 Vulcanized Oil

1 2 3 4 5 6 7 8 9 10
ADDRESSOGRAPH-Multigraph Corp., 1200 Babbitt Rd., Cleveland, Ohio
6
★AMERICAN Roller Co., 1342 N. Halsted St., Chicago 22, Ill.
1 2 5 6 7 8 9
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
AMERICAN Wringer Co., Inc., 121 Clinton St., Woonsocket, R.I.
8
BEN DAY, Inc., 118 East 28th St., New York 16
5
BINGHAM Brothers, Inc., 406 Pearl St., New York
1 2 3 4 5 6 7 8 9 10
BINGHAM'S, Sam'l, Son Mfg. Co., 636 S. Sherman St., Chicago 5, Ill.
1 2 3 4 5 6 7 8 9 10
CALIFORNIA Ink Co., 545 Sansome St., San Francisco 11, Calif.
1 2 5 6 7 8 9 10
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
5 7
CORKPAK Co., Inc., 70 Argyle Ave., New Rochelle, N.Y.
1
CRONITE Co., 88th St. and Hudson Blvd., North Bergen, N. J.
9
DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
2 5 6 8 9 10
DU PONT, E. I. de Nemours & Co., Inc., Neoprene Div., Wilmington, Del.
9
FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
5 6
GODFREY Roller Co., 215 N. Camac St., Philadelphia 7, Pa.
1 2 5 6 9
GOODRICH, B. F., Co., 500 S. Main St., Akron 18
6 8 9
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
6 9
HARRIGAN Roller Co., Inc., 311 Guilford Ave., Baltimore 2, Md.
1 2 4 6 7 8 9 10
HART, Wm. C., Co., Inc. 137 Greene St., New York 12, N.Y.
1 2 4 5 6 7 8 9 10
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.
JOMAC, Inc., 6128 N. Woodstock St., Philadelphia, Pa.
1 2 3 4 5 6 7 8 9 10
MAIONE, O. J. Co., 321 Main St., New York 38, N.Y.
1 2 3 4 5 6 7 8 9 10
MILWAUKEE Printers Roller Co., 422 S. Fourth St., Milwaukee 4, Wis.
1
MOTOR City Roller Co., 448 E. Lafayette St., Detroit 26, Mich.
1 5 7
MOTTER'S, George F. Sons, 132 S. Pershing Ave., York, Pa.
4
NATIONAL Roller Co., 307 Pearl St., New York 38
1 2 5 6 8 9 10
OHIO Roller Co., 4408 Detroit Ave., Cleveland 13
1 3 5 6 8 9
OSGOOD-Globe Corp., 33 Purchase St., Boston 10
1 6 9
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
5
★RAPID Roller Co., 2558 S. Federal St., Chicago 16
1 2 3 4 5 6 7 8 9
RAYBESTOS-Manhattan, Inc., 61 Willet St., Passaic
3 8 9
ROBERTS & Porter, Inc., 555 W. Adams St., Chicago 7, Ill.
5 6
ROLLER Corp. of America, 611 South Avenue, Garwood, N. J.
8 8a 9
ROSENER, Joseph Co., 243 Vallejo St., San Francisco 11, Calif.
1 2
1 2 3 4 5 6 7 8 9 10
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
2 5 6 7 8 9
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
4
THIOKOL Corporation, 780 N. Clinton Ave., Trenton, N. J.
9 10
TWIN City Printers Roller Co., 505 S. 3rd St., Minneapolis 15, Minn.
1
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
1 2 5 6 8 9
WILD & Stevens, Inc., 45 Industrial Place, Newton Upper Falls, Mass.
1 2 3 4 5 6 7 8 9 10
WINN & GOODMAN, 440 Sansome St., San Francisco 11
1
WORTMAN Roller Co., 1915 Race St., Cincinnati, Ohio
1 2 3 4 5 6 7 8 9 10

ROLL LEAF CUTTERS

COUGHLIN Mfg. Co., 697 E. 132nd St., New York 54, N.Y.
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N.Y.
PEERLESS Roll Leaf Co., Inc., 4511 New York Ave., Union City, N. J.

ROTARY PRESS KNIVES

COES Knife Company, 72 Coes St., Worcester 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
OHIO Knife Co., B&O R.R. & Dreman Ave., Cincinnati 23, Ohio
SIMONDS Saw & Steel Co., 470 Main Street, Fitchburg, Mass.
SIMONDS Worden White Co., 604 Negley Place, Dayton 7, Ohio

ROTOGRAVURE CYLINDER MARKING MACHINE (See Marking Machine, Rotogravure)

ROUGHING MACHINES (See Embossing Machines, Roller)

ROUND CORNERING MACHINES (See Punching and Round Cornering Machines)

ROUTING MACHINES

1 Line Slugs
2 Relief Plates
3 Router Bits

1 2 3
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1 2 3
AURORA School of Photoengraving, Aurora, Mo.
2
AUTOMATIC Saw Co., 735 E. Ohio St., Indianapolis 2, Ind.
2 3
★CHALLENGE Machinery Co., Grand Haven, Mich.
1 2 3
CHICAGO Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
2
★DOUTHITT Corp., 680 E. Port St., Detroit 26, Mich.
★GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill.
3
HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
2 3
★HOE, R., & Co., Inc., 910 E. 138th St., New York
2
MARGACH Mfg. Co., Inc., 82 Beekman St., New York, N.Y.
1
MILWAUKEE Saw-Trimmer Co., 612 E. Clybourn St., Milwaukee 2, Wis.
2
MORRISON Co., 125 W. Melvina St., Milwaukee, Wis.
2 3
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
2
ONSRUD Cutter Mfg. Plant, Libertyville, Ill.
3
ONSRUD Machine Works, Inc., 3900 W. Palmer St., Chicago 47, Ill.
2 3
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
2
★PIONEER-Toledo Corp., 1130 Nebraska Ave., Toledo 2, Ohio
1 2 3
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
1 2 3
ROYLE, John & Sons, 10 Essex St., Paterson 3, N. J.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
2
1 2 3
TARPLEY, George, Co., Box 2401, East Cleveland 12, Ohio
3
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
3
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
3
ZANETTI, A. D., Machine Works, Inc., 1630 Jerrold Ave., San Francisco 24, Calif.
2

RUBBER STAMP MACHINERY

★AMERICAN Evatype Corp., Deerfield, Ill.
ELECTRO-Copyst, Inc., 205 E. 42nd St., New York 17, N.Y.
★LAKE Erie Engineering Corp., Riverview & Woodward Ave., Buffalo 17, N.Y.
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.

RULE

1 Brass
2 Cutting, Creasing, and Perforating
3 Steel
4 Plastic

1 2 3 4
★ACCURATE Steel Rule Die Mfg. Co., 22 W. 21st St., New York 10, N.Y.
2 3
ALVIN Company, 215 West 20th St., New York 11
2
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
2 3
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
1 2 3
AMSTERDAM Cont'l Types & Graphic Equip., Inc., 268 Fourth Ave., New York 10, N.Y.
1
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
2
LOS Angeles Type Founders, Inc., 225½ E. Pico Blvd., Los Angeles, Calif.
2
LUFKIN Rule Co., 1730 Hess St., Saginaw, Mich.
MARKEL Products Co., 892 Lorimer St., Brooklyn 22, N.Y.
2 3
MENDEZ Co., 30 Beekman St., New York 7
1 2
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.
1 2 3
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
2 3
STEWART, Don, Co., 441 St., San Francisco 11
2
TAYLOR-Made Rule Company, 65 Flatbush Ave., Brooklyn 17, N.Y.
2 3
★TI-PI Company, 1000 Broadway, Kansas City 6, Mo.
4
★UNIVERSAL Mono-Tabular Corp., 796 Olive St., Dallas 1, Tex.
1

RULE CASTERS (See Composing Machines)

RULE, STEEL, BENDERS AND CUTTERS

AA-1 Steel Rule Die Service, 538 S. Dearborn St., Chicago 5, Ill.
★ACCURATE Steel Rule Die Mfg. Co., 22 W. 21st St., New York 10, N.Y.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
CRAFTSMEN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
HELMOLD, J. F., & Brothers, 1462 W. Shakespeare Ave., Chicago 14, Ill.
★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.

RULING MACHINES

DREDGE, A., Ruling Pen Co., 105 Johnson Ave., Hackensack, N. J.
HANEY, O. C., Co., 3859 Victoria Ave., Los Angeles 8, Calif.
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
HOUSE, Chas. W., & Sons, Inc., 505 Fifth Ave., New York 17, N.Y.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
LINDBLADH Corp. (Subsid. of Miami Industries, Inc.), 201 Morris St., Toledo 3, Ohio
★MC ADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.

S

SAFES, FIREPROOF

EMPIRE Safe Co., 245 Canal St., New York 13
LYON Metal Products, 1168 Madison Ave., Aurora, Ill.

SALES BOOKS & TAGS

ADAMS Bros. Salesbook Co., Topeka, Kan.
ERSCO, 1930 Patterson Ave., New York 72, N.Y.
ENNIS Tag & Salesbook Co., Ennis, Texas

SAWS, PLANERS, SHARPENERS

1 Block Levellers, Planers
2 Photo-engraver's Saw
3 Planer Knives
4 Saw Blades
5 Saw Sharpeners
6 Saw Swaging Machines
7 Saw Trimmers
8 Saws, Band
9 Saws, Circular, Filing Machine
10 Saws, Die-Makers
11 Saws, Mitering

1 2 3 4 5 6 7 8 9 10 11
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1 2 3 4 5 7 9 11
AUTOMATIC Saw Co., 735 E. Ohio St., Indianapolis, Ind.
4 5
BOICE-Crane Co., 930 W. Central Ave., Toledo 6
3 4 8 11
BORG-Warner Corp., Atkins Saw Div., 402 S. Illinois St., Indianapolis 9, Indiana
4 11
CHAPMAN Knives & Saws, Inc., 504 S. Broadway, St. Louis 2, Mo.
4 5 8
★DISSTON, Henry, & Sons, Inc., Unruh & Milnor Sts., Philadelphia 35, Pa.
2 3 4 8 9 10 11
FOLEY Manufacturing Co., 3326 N.E. Fifth St., Minneapolis 18, Minn. 5 9
★GOSS Printing Press Co., 1535 So. Paulina St., Chicago 8, Ill. 7
HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
4 7
HANCHETT Mfg. Co., Big Rapids, Mich.
5 6 7 8 9
HEATON & Anderson Div., 500 Como Ave., St. Paul 3, Minn. 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
1 2 3 4 5 6 7 8 9
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
★MILLER Printing Machinery Co., 1117 Reedsdale Ave., Pittsburgh 12, Pa. 7
MILWAUKEE Saw-Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis. 7
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan. 11
MONOMELT Company, 1611 Polk St. N. E., Minneapolis 13, Minn.
1
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N.Y.
1
MORRISON Co., 125 W. Melvina St., Milwaukee 12, Wis. 7
NATIONAL Saw Sharpening Co., 316 E. Ohio St., Indianapolis 4, Ind.
4 5 7
★NELSON, C. B., Co., 508 S. Kolmar Ave., Chicago 5
4 7
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y. 7
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill. 7
★PIONEER-Toledo Corp., 1130 Nebraska Ave., Toledo 2, Ohio 4 7
RALYA Saw Corp., 109 W. Second St., Cincinnati 2
4 8
RANIVILLE, F., Co., 241 Pearl St., N.W., Grand Rapids 2, Mich. 4 8 9 11
★RICHARDS, J. A., Co., Kalamazoo 13F, Mich.
1 4 7 10 11
ROGERS, Samuel C., & Co., 191 Dutton Ave., Buffalo 11, N.Y. 5 9
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
2 8
SAW & Knife Specialty Co., 6526 Carnegie Ave., Cleveland 3, Ohio
4 5 8
SIMONDS Saw and Steel Co., 470 Main St., Fitchburg, Mass.
3 4 8
SUPER Speed Printing Machinery, Inc., 1712 E. 27th St., Cleveland 14, Ohio
4 7 11
TESCH Mfg. Co., 1220 W. Wisconsin Ave., Appleton, Wis. 5 6 7
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
4 7 11
★VANDERCOOK & Sons, 3601 W. Touhy Ave., Chicago 45, Ill.
1
WALLIN Printers Supply Co., 309 S. 13th St., Omaha 2, Nebr. 4 7
WARDWELL Mfg. Co., 3167 Fulton Rd., Cleveland 9, Ohio 5 6
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
2 4 7 9 10
WILLIAMSON & Co., Inc., Passaic Ave., Caldwell, N. J.
4 7

SCALES

1 Platform
2 Postal
3 Paper

1 2 3
AMTHOR Testing Instrument Co., 52A Van Sinderen Ave., Brooklyn 7, N.Y.
3
CADY, E. J., & Co., 630 Harlem, River Forest, Ill.
3
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
2
DETECTO Scales Inc., 540 Park Ave., Brooklyn 5, N.Y.
1 2 3
FAIRBANKS, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
1 2
★PITNEY-Bowes, Inc., 757 Pacific St., Stamford, Conn.
2
TESTING Machines, Inc., 123 W. 64th St., New York 23, N.Y.
3
THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia, Pa.
3
TOLEDO Scale Co., Toledo 12, Ohio
1 2

SCREENS, HALFTONE

BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
★DOUTHITT Corporation, 680 E. Fort St., Detroit 26, Mich.
EASTMAN Kodak Company, 343 State St., Rochester 4, N.Y.
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.
MILLER-Trojan Co., 1083 W. Main St., Troy, Ohio
MOORE Laboratories, 70 W. Montcalm, Detroit 1
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

SCREENS, JUXTAPOSING

HUEBNER Laboratories, 102 N. Mamaroneck, Mamaroneck, N.Y.

SEALING MACHINE SEALS

FERGUSON, J. L., Co., P.O. Box 1226, Joliet, Ill.
GUMMED Products Co., 412 S. Union St., Troy, Ohio
SEAL-O-MATIC Dispenser Corp., 52 W. Houston St., New York 12, N.Y.

SEALING MACHINES, TAPE

BETTER Packages, Inc., Shelton, Conn.
CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
DRY-Tab Package Sealer Co., 1617 E. 7th St., Los Angeles 21, Calif.
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn, N.Y.
NASHUA, 44 Franklin St., Nashua, N. H.
NASHUA Package Sealing Co., Inc., 44 Franklin St., Nashua, N. H.
SEAL-O-MATIC Machine Mfg. Co., 225 Varick St., New York 14, N.Y.

SEWING MACHINES AND NEEDLES

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
CHICAGO Mchy. Lab., 2719 S. Poplar Ave., Chicago 8, Ill.
CRAWLEY Book Machinery Co., 328 Keturah St., Newport, Ky.
★DEXTER Folder Co., Pearl River, N.Y.
GELLMAN Mfg. Co., 1700 1st St., Rock Island, Ill.
OVERSEWING Machine Co., 368 Congress St., Boston 10, Pa.
SINGER Manufacturing Co., 109 Trumbull St., Elizabethport 7, N. J.
SMYTH Mfg. Co., 9 Sigourney St., Hartford, Conn.
UNION Special Machine Co., 402 N. Franklin St., Chicago, Ill.

SHADING MEDIUMS

BEN DAY, Inc., 118 East 28th St., New York 16, N.Y.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
TINTOGRAPH Co., The, 48 New Chambers St., New York 7

SHAVING, BORING AND PLANING MACHINES, FLAT PLATES

★COTTRELL, C. B., & Sons Co., Westerly, R. I.
★GOSS Printing Press Co., The, 1535 S. Paulina St., Chicago 8, Ill.
HAMMOND Machinery Builders, Inc., 1616 Douglas Ave., Kalamazoo 54, Mich.
★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo, Mich.
STA-HI Corporation, 235 W. Washington Blvd., Whittier, Calif.
STEREOTEX Machinery Co., P.O. Box 31, Westport, Conn.
STEREOTYPE Equipment Co., 2815 Irving Park Rd., Chicago, Ill.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

SHAVING MACHINE, ROTARY HEAD, ELECTROTYPERS'

★HESS & Barker, 212 S. Darien St., Philadelphia, Pa.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
OSTRANDER-Seymour Co., 1710 N. 25th St., Melrose Park, Ill.
PARSONS & Whittemore, Inc., 250 Park Ave., New York 17, N.Y.
STA-HI Corporation, 235 W. Washington Blvd., Whittier, Calif.
STEREOTEX Machinery Co., Box 31, Westport, Conn.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
WILLIAMSON & Company, Inc., Passaic Ave., Caldwell, N. J.

SHEARS FOR STEREOTYPE MATS AND ELECTROTYPE SHELLS

COES Knife Co., 72 Coes St., Worcester 3, Mass.
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
HOBBS Mfg. Co., 26 Salisbury St., Worcester, Mass.
★HOE, R., & Co., Ink., 910 E. 138th St., New York 54, N.Y.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

SHELVING

ACME Steel Company, 2840 Archer Ave., Chicago 8, Ill.
AURORA Equipment Co., Cleveland at Prairie Sts., Aurora, Ill.
BERGER Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N.E., Canton 5, Ohio
EQUIPTO, Div. Aurora Equipment Co., Aurora, Ill.
LYON Metal Products, Inc., 1168 Madison, Aurora, Ill.
STANDARD Pressed Steel Co., Box 740, Jenkintown, Pa.
UNITED SHOE Machinery Corp., 140 Federal St., Boston 7, Mass.

SHOOT BOARDS

★CHALLENGE Machinery Co., Grand Haven, Mich.
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

SILK SCREEN EQUIPMENT AND SUPPLIES

BROWN Lindsay Paint Co., 2601-75 W. Grand Ave., Chicago 12, Ill.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland, Ohio
★DOUTHITT Corp., The, 650 W. Baltimore Ave., Detroit 2, Mich.
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
FOSTORIA Pressed Steel Corporation, Fostoria, Ohio
GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich.
GLIDDEN Co., 11001 Madison Ave., Cleveland, Ohio
GOODYEAR Tire & Rubber Co., The, 1144 E. Market St., Akron 16, Ohio
MERIX Chemical Co., 1021 E. 55th St., Chicago, Ill.
NAZ-Dar Company, 469 Milwaukee Ave., Chicago
PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUXTON Products, Inc., Div. Interchemical Corp., 407 E. Eighth St., Cincinnati, Ohio
SELECTASINE Corp., 2738 Van Buren St., Chicago 12, Ill.
SHERWIN Williams Co., 101 Prospect, Cleveland 1
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.
SWITZER Brothers, Inc., 4732 St. Clair Ave., Cleveland 3, Ohio

SILVER SPRAY EQUIPMENT FOR ELECTROTYPING

★PAASCHE Airbrush Co., Div. Cline Electric Mfg. Co., 1905 Diversey Parkway, Chicago 14, Ill.
PARSONS & Whittemore, Inc., 250 Park Avenue, New York 17, N.Y.

PHILLIPS & Jacobs, 622 Race St., Philadelphia, Pa.
STEREOTEX Mchy. Co., Box 31, Westport, Conn.
WILLIAMSON & Company, Inc., Passaic Ave., Caldwell, N. J.

SKIVING MACHINES

LESTER & Wesley Co., Inc., 513 N. Main St., Norwich, Conn.
UNITED SHOE Machinery Corp., 140 Federal St., Boston 7, Mass.
★YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

SLITTING and REWINDING EQUIPMENT

BECK, Charles, Machine Corp., 44 Church Road, King of Prussia, Pa.
CAMERON Machine Co., 61 Poplar St., Brooklyn 2
CHAMBERS Bros. Co., Inc., 52nd & Media Sts., Philadelphia, Pa.
CHICAGO Box Machine Works, 1810 W. Grand Ave., Chicago 22, Ill.
CLINE Electric Mfg. Co., 400 W. Madison St., Chicago 6, Ill.
DIETZ Machine Works, 126 W. Fontaine St., Philadelphia, Pa.
FORD Instrument Co., 31-10 Thomson Ave., Long Island, N.Y.
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
HEINRICH, H. H., Inc., 111 Eighth Ave., New York 11, N.Y.
HOBBS Mfg. Co., 26 Salisbury St., Worcester 5, Mass.
HOOPER, F. X., Co., Inc., Glen Arm, Md.
HUDSON-Sharp Machine Co., 1201 Main St., Green Bay, Wis.
INMAN Mfg. Co., Inc., Amsterdam, N.Y.
INTA-Roto Machine Co., R.F.D. 6, Box 61, Richmond 23, Va.
JACQUES, John, & Son, 93 Webster St., Worcester, Mass.
KIDDER Press Co., Inc., 121 Broadway, Dover, N. H.
KNOWLTON, M. D., Co., 28 Industrial St., Rochester, N.Y.
KOHLER Systems Co., The, 159 E. Chicago Ave., Chicago 11, Ill.
★McADAMS, John, & Sons, Inc., 20 Knight St., Norwalk, Conn.
MEISEL Press Mfg. Co., 944 Dorchester Ave., Boston 25, Mass.
OHIO Knife Co., B&O R.R. & Dreman Ave., Cincinnati 23, Ohio
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
PARRY, S. R., Machine Co., 224 Mill St., Rochester, N.Y.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.
SIMONDS Worden White Co., 607 Negley Pl., Dayton 7, Ohio
STANDARD Paper Box Machine Co., 133 Bleecker St., New York, N.Y.
STAUDE, E. G., Div., The Sperry Corp., 2675 University Ave., St. Paul, Minn.
SWIFT, Geo. W., Jr., Inc., 7 Ward St., Bordentown, N. J.
WALDRON, John, Corp., River Rd., New Brunswick, N. J.
★YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.

SLUG HIGH SINKERS

BANCROFT, Ralph, Co., 305 S. Fifth St., Minneapolis 15, Minn.

SPINNERS, GROMMETS, Etc.

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.
STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N.Y.

SQUEEGEE MACHINES, ROTOGRAVURE CYLINDER

★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.

SQUEEGEES, SILK SCREEN

CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
GENERAL Research & Supply Co., 527 S. Division St., Grand Rapids, Mich.
GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
GOODYEAR Tire & Rubber Co., 1144 E. Market St., Akron 16, Ohio
METZGER, Alfred E., 30 Irving Place, New York 3
NAZ-Dar Co., 469 Milwaukee Ave., Chicago 10

STAMPER, BENCH LEVER

ALTAIR Machinery Corp., 55 Vandam St., New York 13, N.Y.
GANE Bros. & Lane, Inc., 1335 W. Lake St., Chicago 7, Ill.
GRIFFIN, Campbell, Hayes, Walsh, Inc., 50 East 21st St., New York 10, N.Y.
MATTHEWS, James H & Co., 3951 Forbes St., Pittsburgh 13, Pa.
OLSEN Mark Corp., 124 White St., New York 13

STANDING PRESSES, BINDERY

BERRY Machine Co., 716 N. First St., St. Louis, Mo.
HICKOK, W. O., Mfg. Co., Box 425, Harrisburg, Pa.
STANDARD Machinery Co., The, Mystic, Conn.

STAPLING MACHINES (Also see: STITCHERS, WIRE)

ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
ACME Steel Co., 2840 Archer Ave., Chicago
BATES Mfg. Co., The, 30 Vesey St., New York 7, N.Y.
BOSTITCH, Mechanic St., Westerly, R. I.
FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.
HELLER Corp., The, 2135 Superior Ave., Cleveland 6
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
J. CURRY Mendes Co., 500 S. Clinton St., Chicago, Ill.
★NELSON, C. B., Co., 508-14 S. Kolmar Ave., Chicago 24
PABICH, W. R., Mfg. Co., 2855 N. Rockwell St., Chicago 18, Ill.
SPEED Products Co., Inc., 32-01 Queens Blvd., Long Island City 1, N.Y.
WILSON-Jones Co., 3300 W. Franklin, Chicago

STATIC ELIMINATORS

ABBEON Supply Co., 179-15 Jamaica Ave., Jamaica 3, N.Y.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
CRAIG Corporation, 143 W. 20th St., New York 11
★DOYLE, J. E., Co., 1220 W. 6th St., Cleveland 13, Ohio
HART, Wm. C., Co., Inc., 137 Greene St., New York 12, N.Y.
HERBERT Products, Inc., 74-32 Jamaica Ave., Woodhaven 21, N.Y
HEWSON Company, Inc., The, 443 Broad Street, Newark 2, N. J.
INDIANA Chemical & Mfg. Co., 517 S. Alabama St., Indianapolis 25, Ind.
MAXSON Automatic Mchy. Co., 98 Granite St., Westerly, R. I.
MERIX Chemical Co., 1021 E. 55th St., Chicago 15, Ill.
★OXY-Dry Sprayer Co., 320 S. Marshfield Ave., Chicago, Ill.
PAYNE, Ernest, Corp., 82 Beekman, New York 7, N.Y.
THE PORTLAND Co., 58 Fore St., Portland, Maine
SIMCO Co., The, 920 Walnut St., Lansdale, Pa.
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Maine
STA-HI Corporation, 1235 W. Washington Blvd., Whittier, Calif.
STATIC Eliminator and Printing Press Heater Co., 239 Centre St., New York 13, N.Y.
★STATIKIL, 1220 W. 6th, Cleveland, Ohio
TAKK Corp., The, Newark, Ohio
U. S. RADIUM Corp., 535 Pearl St., New York 7, N.Y.
WESTERN Brush Company, 217 S. Western Ave., Chicago, Ill.

STEEL RULE CUTTING DIES

AA-1 STEEL Rule Die Service, 538 S. Dearborn, Chicago 5, Ill.
★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
AMERICAN Fabricator, 22 W. 21st St., New York 10, N.Y.
ARTISTIC Die Mfg. Co., 2306 W. 8th St., Cincinnati
CUTWELL Steel Rule Die Co., 285 Lafayette St., New York 12, N.Y.
DORSEY Printers & Supply Co., 125 Pontotoc Ave., Memphis, Tenn.
FREEDMAN Die Cutters, Inc., 281 Lafayette St., New York 12, N.Y.
HALE, Frank D., 64 Tonnele Ave., Jersey City 6, N. J.
PAPKE, Wm., & Son, 434 Elm St., Cincinnati 2, Ohio
★RICHARDS, J. A., Co., 903 N. Pitcher St., Kalamazoo 13F, Mich.

STEEL STRAPPING

ACME Steel Co., 2840 Archer Ave., Chicago 8, Ill.
SIGNODE Steel Strapping Co., 2600 N. Western Ave., Chicago 47, Ill.

STEREOTYPE SUPPLIES, GUMMED TAPE, PACKING STRIPS, PARTING POWDER

BURGESS Cellulose Co., Freeport, Ill.
CERTIFIED Dry Mat Corp., 9 Rockefeller Plaza, New York 20, N.Y.
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
COYNE & Paddock, Inc., 48-15 32nd Place, Long Island City, N.Y.
★DEXTER Folder Co., Pearl River, N.Y.
★HOE, R., & Company, 910 E. 138th St., New York 54, N.Y.
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
UNITED Stereotype and Supply Co., Box 38, West Lynn, Mass.
WOOD Flong Corp., 551 Fifth Ave., New York 17

STIPPLING MACHINES (See Embossing Machines, Roller)

STITCHERS, WIRE

ACME Steel Co., 2840 Archer Ave., Chicago 8, Ill.
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
BOSTITCH, Mechanic St., Westerly, R. I.
CHRISTENSEN Machine Co., The, 100 Fourth St., Racine, Wis.
HELLER Corp., The, 2135 Superior Ave., Cleveland 6
HOFFERT Machine Co., 718 Marquette St., Racine, Wis.
INTERNATIONAL Paper Box Machine Co., 315 Main St., Nashua, N. H.
JONES, James H., Co., 808 W. Washington St., Chicago 6
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York, N.Y.
NEW Jersey Wire Stitching Machine Co., 608 S. Second St., Camden, N. J.
★NYGREN-Dahly Co., 1422 W. Altgeld St., Chicago
PABICH, W. R., Mfg. Co., 2855 N. Rockwell St., Chicago 18, Ill.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.
SHERIDAN, T. W. & C. B., 129 Lafayette St., New York 13, N.Y.
STANDARD Paper Box Machine Co., 133 Bleecker St., New York, N.Y.

STITCHING WIRE FEEDERS

ACME Steel Co., 2840 Archer Ave., Chicago
BOSTITCH, Mechanic St., Westerly, R. I.
CHICAGO Machinery Laboratory, 2719 S. Poplar Ave., Chicago 8, Ill.
CHRISTENSEN Machine Co., 100 Fourth St., Racine, Wis.
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
★ROSBACK, F. P., Co., Fifth & Park Sts., Benton Harbor, Mich.

STOCK CUTS

ARROW Service, P.O. Box 2217, Salt Lake City 13
EAST Texas Engraving Co., 322 E. Erwin, Tyler, Tex.
HUX-CUTS, Inc., Box 582, Lancaster, Pa.
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
MENDEZ Co., 30 Beekman St., New York 7
MERRELL Features, 208 N. Wells, Chicago 6
SHINN, Cobb, 721 Union St., Indianapolis 4, Ind.

STOCK PHOTOGRAPHS

SHINN, Cobb, 721 Union St., Indianapolis 4, Ind.
UNDERWOOD & Underwood, 319 E. 44th St., New York 17, N.Y.

STONES AND GRINDERS

BOICE-Crane Co., 930 Central Ave., Toledo 6, Ohio
FUCHS & Lane Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
SENEFELDER Co., Inc., 32 Greene St., New York 13
UNITED Shoe Machinery Corp., 140 Federal St., Boston 7

STRIP MATERIAL CASTERS (See Composing Machines)

STRIPPING MACHINES (See Gumming, Gluing and Pasting Equipment)

SUCTION CUPS

GOODRICH, B. F., Co., 500 S. Main St., Akron 18, Ohio
★IDEAL Roller & Mfg. Co., 2512 W. 24th St., Chicago 8, Ill.

T

TABLES AND STANDS

1 Bindery
2 Case Filling, Electrotyping
3 Cutting Stands, Gravure
4 Cylinder Tables, Rotogravure
5 Elevating Beating, Stereotpying
6 Imposition
7 Line-up and Register
8 Make-up and Storage
9 Offset-Litho, Layout
10 Retouching Stands
11 Stereotype Forms
12 Stripping
13 Transfer for Vertical Press
14 Viewing Stands, Gravure
15 Work

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
12 8 9

ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.
1

APPLETON Wood Products Co., Inc., Douglas & Second Sts., Appleton, Wis.
15

AURORA Equipment Co., Cleveland at Prairie Sts., Aurora, Ill.
8

BAR-PLATE Mfg. Co., Boston Post Road, Orange, Conn.
7 9 10
12

BEALL, Jack, Vertical Service, 641 S. Dearborn St., Chicago 5, Ill.
13

BEATTIE Process Camera Corp., Chatham, N. J.

BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
9
12

BROWN Coating Eqpt. Co., Wellston, Ohio
9

BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago
47 9 10

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15
★CHALLENGE Machinery Co., Grand Haven, Mich.
4 6
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
12 9
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
12 15 9
CRAFTSMAN Line-Up Table Corp., 49-59 River St., Waltham 54, Mass.
12 7 9
★DOUTHITT Corp., 680 E. Fort St., Detroit 26, Mich.
12 7 9
EQUIPTO Div. Aurora Eqpt. Co., Aurora, Ill.
1 13
FERGUSON, J. L. Co., P.O. Box 1196, Joliet, Ill.
GELB Company, Joseph, 52 Arlington St., Newark 2, 2, N. J.
7 9 10
12 14
★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill. 11
GRAPHIC Arts Accessories, 308 Marquette Bldg., Detroit, Mich.
13
★HAMILTON Mfg. Co., Two Rivers, Wis.
1 6 8 11
15
★HARRIS-Seybold Co., 4510 East 71st Street, Cleveland 5, Ohio
12 15 7 8 9 10
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
2 5 11
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y. 7 9
★LUDLOW Typograph Co., 2032 Clybourn Ave., Chicago 14, Ill. 8
LYON Metal Products, 1168 Madison Ave., Aurora, Ill.
15
MILLER-Trojan Company, 1083 W. Main St., Troy, Ohio
12 9
MONOMELT Co., 1611 Polk St., N. E., Minneapolis 13, Minn.
15
MORGANS & Wilcox Mfg. Co., 69 Hanford St., Middletown, N.Y. 6
MOTTER'S, George F. Sons, 132 S. Pershing Ave., York, Pa.
4
NOLAN Corporation, 1333 E. Dominick St., Rome, N.Y.
6 8
PHILLIPS & Jacobs, 622 Race St., Philadelphia
12 9
PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.
12 7 9
★ROBERTSON Photo-mechanix, Inc., 3069 N. Elston Ave., Chicago
3 7 9 10
12 14 15
SOUTHWORTH Machine Co., 30 Warren Ave., Portland, Me. 7 9
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
3
14
STONE, Herman Co., 324 Harris Bldg., Dayton 2, Ohio
2 6
★TAYLOR Machine Co., 7600 York Rd., Baltimore
7
THOMPSON Cabinet Co., Ludington, Mich.
1 2 6 7 8 9 10
UNITED Shoe Machinery Corp., 140 Federal St., Boston, Mass.
15
WATERWORTH Eng. & Mfg. Co., 2329 Troy St., Dayton 3, Ohio 9
WESTINGHOUSE Electric Corp., P.O. Box 868, Pittsburgh, Pa.
2 4

TABLES, COOLING
(See Cooling Tables)

TABULAR SYSTEMS (See Composing Machines and Supplies)

TACKERS, HAMMER AND COMPRESSION TYPE

ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
BOSTITCH, Westerly, R. I.
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kansas
FASTENER Corp., 860 Fletcher St., Chicago 14, Ill.
HELLER Corp., The, 2135 Superior Ave., Cleveland 6
SPEED Products Co., Inc., 32-01 Queens Blvd., Long Island City 1, N. Y.

TAG MACHINERY

1 Eyeletting
2 Knotting, Looping, Stringing
3 Patching

1 2 3
BATES Mfg. Co., The, 30 Vesey St., New York 7, N.Y.
1
★GRAEBER Stringing & Wiring Machine Co., Div. New Era Mfg. Co., 375 11th Ave., Paterson 4, N. J.
1 2 3
MAKATAG Mfg. Co., 2 Linden St., Reading, Mass.
1
★STANDARD Tag Co., 116 Duane St., New York, N.Y.
1 2 3

1 2 3
STIMPSON, Edwin B., Co., Inc., 70 Franklin Ave., Brooklyn 5, N.Y.
1
WAKEFIELD Machine Co., Inc., Wakefield, Mass.
3
YOUNG Engineering Co., 2429 N. Sheffield, Chicago 14, Ill.
2

TANKS

BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 47
CHEMO Photoproducts Co., New St., Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equip. Co., 2155 W. Wabansia Ave., Chicago 43, Ill.
★DOUTHITT Corp., The, 680 E. Fort St., Detroit 26, Mich.
GOODRICH, B. F., Co., 400 S. Main St., Akron 18, Ohio
HANSON-Van Winkle-Munning, Matawan, N. J.
LEEDAL Stainless Steel Products, Inc., 2929 S. Halsted St., Chicago 8, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.
SANDY Hill Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.

TAPE ADHESIVE
(See Adhesive Tape)

TAPE COUPLERS
(See Couplers, Belt and Tape)

TAPE, FEEDER, DELIVERY and FOLDER
(See Belts, Belting and Tape)

TAPE, GUMMED
(See Paper Section Directory)

TAPE, OVERLAY (See Adhesive Tape, Pressure Sensitive)

TEMPERATURE CONTROL AND INDICATORS, METAL

1 Electric Eye
2 Pyrometers
3 Thermometers
4 Thermostats

1 2 3 4
BRISTOL Co., The, Waterbury, Conn.
2 3 4
EASTMAN Kodak Co., 343 State St., Rochester 4, N.Y.
3
FENWAL, Inc., 200 Pleasant St., Ashland, Mass.
4
FISHER Furnace Co., 5535 N. Wolcott Ave., Chicago 40, Ill.
2 3
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
1 2 3 4
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
3
HANSON-Van Winkle-Munning, Matawan, N. J.
3
★HOE, R., & Co., 910 E. 138th St., New York 54
2
ILLINOIS Testing Labs., 420 N. LaSalle St., Chicago, Ill.
2
KEMP, C. M., Mfg. Co., The, 405 E. Oliver St., Baltimore, Md.
2 3
★LANSTON Monotype Corp., 261 Madison Ave., New York 16, N.Y.
2 3 4
★LINOTYPE Parts Co., 2 S. Main St., South Hackensack, N. J.
2 3 4
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
2 3
PARTLOW Corp., The, 2 Campion Rd., New Hartford, N.Y.
2 3 4
POWERS Regulator Co., 2720 Greenview Ave., Chicago 14, Ill. 3 4
ROBERTSHAW Thermostat Co., Youngwood, Pa.
4
TAYLOR Instrument Companies, Rochester 1, N.Y.
2 3 4
THWING-Albert Instrument Co., Penn & Pulaski, Philadelphia, Pa.
2
UNITED American Metals Corp., Corner Calyer & Diamond Sts., Brooklyn 22, N.Y.
2 3
UNITED Stereotype Supply Corp., Box 38, West Lynn, Mass.
3
WESTON Electric Instrument Corp., 614 Frelinghuysen Ave., Newark, N. J.
1 3

1 2 3 4
WILLIAMS, Brown & Earle, 904 Chestnut St., Philadelphia, Pa.
WILLIAMSON & Company, Inc., Passaic Ave., Caldwell, N. J.
ZARKIN Machine Co., 34-19 10 St., Long Island City, N.Y.

TESTING INSTRUMENTS
(See Gauges and Testing Instruments)

THERMOGRAPHIC (RAISED LETTER) MACHINES AND SUPPLIES

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
DEVERE Co., 2000 Clark St., Racine, Wis.
EMBOSSOGRAPH Process Co., Inc., 251 William St., New York, N.Y.
NOLAN Machinery Corp., 1333 E. Dominick St., Rome, N.Y.
STOKES, A., Co., The, Hudson, Ohio
VIRKOTYPE Corp., 111 Rock Ave., Plainfield, N. J.

THIN SPACES

ACME Type Foundry, 633 Plymouth Court, Chicago 5, Ill.
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
GRAPHIC Arts Research Foundation, 112-114 W. Kinzie Street, Chicago 10, Illinois
★INTERTYPE Corp., 360 Furman St., Brooklyn 1, N.Y.
LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N. J.
LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
TAYLOR-Made Rule Co., 65 Flatbush, Brooklyn

THINNING MACHINES FOR CURVED PLATES

★GOSS Printing Press Co., 1535 S. Paulina St., Chicago 8, Ill.
★HOE, R., & Co., Inc., 910 E. 138th St., New York

THREAD, TWINE
(See Bookbinders' Supplies)

TIERING MACHINES
(See Elevators, Paper Handling)

TIE-UP SYSTEMS

JIFFY Tie Manufacturing Co., 1419 N.W. 8th Terrace, Miami, Fla.
RIEHL Galley Lock Co., Inc., 748 E. 82nd St., Cleveland 3, Ohio

TIME CLOCKS AND RECORDERS

AMTHOR Testing Instrument Co., Inc., 45 VanSinderen Ave., Brooklyn 7, N.Y.
BRISTOL Co., Waterbury 20, Conn.
CINCINNATI Time Recorder Co., Inc., 1733 Central Ave., Cincinnati 14, Ohio
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
INTERNATIONAL Business Machine Corp., 45 Crouch St., Rochester 22, N.Y.
JOSLIN, A. D., Mfg. Co., Manistee, Mich.
ROBERTS Numbering Machine Co., 700 Jamaica Ave., Brooklyn 8, N.Y.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
SIMPLEX Time Recorder Co., S. Lincoln St., Gardner, Mass.
STROMBERG Time Corp., 109 Lafayette St., New York 13, N.Y.
WESTON Electrical Instrument Corp., 614 Frelinghuysen Ave., Newark, N. J.

TIME SWITCHES

CUTLER-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wis.
GENERAL Electric Co., 1 River Rd., Schenectady 5, N.Y.
PARTLOW Corp., The, 2 Campion Rd., New Hartford, N.Y.
STROMBERG Time Corp., 109 Lafayette St., New York 13, N.Y.

TIN EDGING MACHINES, HANGERS

GRAMMES, L. F., & Sons, Inc., 352 Union St., Allentown, Pa.

TIN EDGING AND MOUNTING MACHINES

GRAMMES, L. F., & Sons, Inc., Allentown, Pa.
STUEBING Automatic Machine Co., 3424 Beekman St., Cincinnati 23, Ohio

TIPPING MACHINES

BRACKETT Stripping Machine Co., 505 Jackson St., Topeka, Kan.
DIDDE-Glaser, Inc., 24 W. 6th Ave., Emporia, Kansas
★MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass.

PARRY, S. R., Machine Co., 222 Mill St., Rochester 4, N.Y.
POTDEVIN Machine Co., 226 North Street, Teterboro, N. J.
SMYTH Mfg. Co., The, 9 Sigourney St., Hartford 6, Conn.
TURNER Printing Machinery Inc., 2630 Payne Ave., Cleveland, Ohio

TOOL CABINETS
(See Cabinets, Cases, Racks)

TOOLS

1 Bookbinders
2 Engravers Cutting
3 Machinists
4 Platemakers
5 Portable Electric

1 2 3 4 5
BLACK and Decker Mfg. Co., 760 Pennsylvania Ave., Towson 4, Maryland
5
BROWN & Sharpe Mfg. Co., Providence, R. I.
3
CHEMCO Photoproducts Co., New St., Glen Cove, N.Y.
2
CHICAGO Wheel & Mfg. Co., 1103 W. Monroe St., Chicago, Ill.
3
CRONITE Co., 88th St. and Hudson Blvd., North Bergen, N. J.
2 4
GANE Bros. & Lane, Inc., 1355 W. Lake St., Chicago, Ill.
1
GENERAL Binding Corp., 812 W. Belmont Ave., Chicago 14, Ill.
1
HICKOK, W. O., Mfg. Co., Box 423, Harrisburg, Pa.
1
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
2 4
LUFKIN Rule Co., 1730 Hess St., Saginaw, Mich.
3
METZGER, Alfred E., 30 Irving Place, New York 3
4
NEW Plastic Corp., 1026 N. Sycamore, Los Angeles 38, Calif.
3 4
REID, William, Co., 2271 Clybourn Ave., Chicago 14
3
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York, N.Y.
2 4
★TI-PI Co., 1000 Broadway, Kansas City 6, Mo.
2 4
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
2 4

TRACING PAPER

BIENFANG Paper Co., Metuchen, N. J.
CRAFTINT Mfg. Co., 1615 Collamer Ave., Cleveland 10, Ohio
EASTMAN Kodak Co., Rochester 4, N.Y.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.

TRADE-MARKS, TYPE OR MATS

★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
IMPRINT Matrix Co., Charlotte, N. C.
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
ROSS-AD-SEAL, Inc., Lord & Davidson Sts., Indianapolis, Ind.
STERLING Type Foundry, Charlotte, Mich.
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

TRANSFER PAPER

FUCHS & Lang, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
METZGER, Alfred E., 30 Irving Place, New York 3
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1
SENEFELDER Co., The, 32 Greene St., New York 13
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

TRANSFER PRESSES

★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.

TRIMMING MACHINES, ELECTROTYPERS AND STEREOTYPERS

BOICE-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
★HOE, R., & Co., Inc., 910 E. 138th St., New York 54, N.Y.
MONOMELT Co., Inc., 1611 Polk St., N.E., Minneapolis 13, Minn.
★RICHARDS, J. A., Co., 903 Pitcher St., Kalamazoo 13F, Mich.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.

TRUCKS

1 Electric
2 Form
3 Form File
4 Form Lift
5 Gravure
6 Makeup
7 Metal
8 Paper Handling
9 Press Platform
10 Truck Wheels, Casters
11 Upright, for Bindery

1 2 3 4 5 6 7 8 9 10 11
ALLIED Steel Equip. Co., Lapeer, Mich.
7
★AMERICAN Steel Chase Co., 3131 48th Ave., Long Island City 1, N.Y.
2 4 6
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
1
ANDERSON, C. F., & Co., 3225 S. Calumet Ave., Chicago 16, Ill.
8 11
ANGLE Steel Stool Co., 309 W. Oak St., Plainwell, Mich.
7 8
AURORA Equipment Co., Cleveland at Prairie Sts., Aurora, Ill.
7 8
AUTOMATIC Transportation, 101 W. 87th St., Chicago 20, Ill.
1 8
BARRETT-Cravens Co., 630 Dundee Road, Northbrook, Ill.
1 2 4 7 8
BERRY Machine Co., 716 N. First St., St. Louis, Mo.
2 4
CLARK Equipment Company, Industrial Truck Division, Battle Creek 85, Mich.
1 8
★CLINE Electric Mfg. Co., 3405 W. 47th St., Chicago 32, Ill.
8
EASTON Car & Construction Co., Easton, Pa.
8
ECONOMY Engineering Co., 4511 W. Lake St., Chicago, Ill.
8
ELWELL-Parker Electric Co., 4120 St. Clair Ave., Cleveland 14, Ohio
1 8
EQUIPTO Div. Aurora Equipment Co., Aurora, Ill.
7
FERGUSON, J. L. Co., P.O. Box 1196, Joliet, Ill.
1 2 3 4 5 10
★GOSS Printing Press Co., 1535 S. Paulina, Chicago 8
2 6
★HAMILTON Mfg. Co., Two Rivers, Wis.
2 3 4 6 7
★HAMILTON Tool Co., 832 South Ninth St., Hamilton, Ohio
4 8
KOHLER System Co., 159 E. Chicago Ave., Chicago 11, Ill.
8
LEWIS-Shepard Products, Inc., 239 Walnut St., Watertown 72, Mass.
1 2 4 8 10 11
MARKET Forge Co., 30 Garvey St., Everett 49, Mass.
1 2 3 6 8 9 10
★MAYVILLE Metal Products Co., Mayville, Wis.
MERCURY Mfg. Co., 4044 S. Halsted, Chicago 49, Ill.
1
MILWAUKEE Saw Trimmer Corp., 612 E. Clybourn St., Milwaukee 2, Wis.
7
MISSOURI Central Type Foundry, 703 E. Murdock St., Wichita, Kan.
2 7
MODERN Eqpt. Co., 2011 Cuming St., Omaha 2, Nebr.
7 10
MOTTER'S, George F., Sons, 132 S. Pershing Ave., York, Pa.
5
NAGEL-Ryan Mfg. Co., 4363 Woodward Ave., Royal Oak, Mich.
5
NOLAN Corporation, 1333 E. Dominick St., Rome, New York
6 7 2
NORMAN, Wm. A., 1133 E. 63rd St., Chicago 37, Ill.
8
REVOLVATOR Co., 86th St. & Tonnelle Ave., North Bergen, N. J.
1 4 8 11
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.
2
SERVICE Caster & Truck Corp., 681 N. Brownswood Ave., Albion, Mich.
8 10
SHAW Machine & Tool Co., 1151 Temple St., Los Angeles 12, Calif.
5 7 8
SOUTHWEST Machine Co., 30 Warren Ave., Portland, Me.
2
STANDARD Process Corp., 2704 W. Roscoe St., Chicago, Ill.
2 6 7 8
SUPER Speed Printing Machinery Inc., 1712 E. 27th St., Cleveland 14, Ohio
THOMPSON Cabinet Co., Ludington, Mich.
2 3 6 7 8 11
TIMESAVER Products Co., 44 Saline St., Pulaski, N.Y.
2
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N.Y.
7
1 2 3 4 5 6 7 8 9 10 11
UNITED Stereotype & Supply Co., Box 38, West Lynn, Mass.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
2
YALE & Towne Mfg. Co., 4530 Tacony St., Philadelphia 24, Pa.
1 8

TUSCHE

FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
★LITHO Chemical & Supply Co., 46 Harriet Pl., Lynbrook, Long Island, N.Y.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
SENEFELDER Co., The, 32 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR & Valentine Co., 611 W. 129th St., New York 17, N.Y.
SS ARTIST Materials Co., 712 N. State St., Chicago 10, Ill.

TWEEZERS

★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
HACKENSACK Specialty Mfg. Co., 200 Atlantic St., Hackensack, New Jersey
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
★LINOTYPE Parts Co., 2 S. Main St., So. Hackensack, N. J.
LOS ANGELES Type & Rule Co., 225½ E. Pico Blvd., Los Angeles, Calif.
MENDEZ Co., 30 Beekman St., New York 7
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn

TYING, PACKAGING MACHINERY
(See Packaging & Tying Machines)

TYMPAN PACKING AND PAPER (See Cylinder—Drawsheets and Tympans. Also "Tympan" in Paper Section)

TYMPAN PAPER ROLL HOLDERS, WALL BRACKETS

NELSON Vertical Paper Cutter Co., 424 W. 22nd St., Norfolk 16, Va.
ROUSE, H. B., & Co., 2214 N. Wayne Ave., Chicago 14, Ill.

TYMPAN STABBER

HERBERT Products, Inc., 74-32 Jamaica Ave., Woodlawn 21, N.Y.
ROUSE, H. B., & Co., 2214 Wayne Ave., Chicago 14, Ill.

TYPE

1 Army and Navy Insignia
2 Borders and Rules
3 Brass
4 Fonts, APL, Monotype and Thompson Cast
5 Foundry
6 Rubber
7 Slugs
8 Steel
9 Type Metal Strip
10 Wood

1 2 3 4 5 6 7 8 9 10
ACME Type Foundry, 633 Plymouth Ct., Chicago 5
2 4 5
ALTAIR Machinery Corp., 55 Vandam St., New York
3
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
1 2 5
AMERICAN Wood Type, 35 W. 3rd St., New York 12, N.Y.
10
AMSTERDAM Cont'l Types & Graphic Equip., Inc., 268 Fourth Ave., N.Y. 10
2 3 5
★BALTIMORE Type & Composition Co., 15 S. Frederick St., Baltimore, Md.
1 2 4 5 7 9
BAUER Alphabets, Inc., 235 E. 45th St., New York 17, N.Y.
5
BELMONT Smelting & Refining Wks., Inc., 330 Belmont Ave., Brooklyn 7, N.Y.
5
DETROIT Type Foundry, Inc., 1959 E. Jefferson St., Detroit 7, Mich.
2 4 5 7 9
EMBOSSOGRAPH Corp., 38 W. 21st St., New York 10
1 3
EMPIRE Type Foundry, Delavan, N.Y.
5
★FORCE, William A., & Co., 216 Nichols Ave., Brooklyn, N.Y.
6 8
GLOBE Wood Type Co., 2856 D St., Philadelphia 34
10
HAASE Type Foundry, 2023 N. Halsted St., Chicago
5
★HAMILTON Mfg. Co., Two Rivers, Wis.
10

1 2 3 4 5 6 7 8 9 10
JOHNSON, Joseph E., Co., 610 Atlantic Ave., Brooklyn 17, N.Y. 8
JUDSON Type, Inc., 151 W. 23rd St., New York 11, N.Y.
KELSEY Co., 45 Crown St., Meriden, Conn. 5
LOS ANGELES Type Founders, Inc., 225½ E. Pico Blvd., Los Angeles, Calif.
2 4 5 7 9
★MACKENZIE-Harris, Inc., 659 Folsom St., San Francisco, Calif.
2 3 4 5 9
MATTHEWS, Jas. H., & Co., 3951 Forbes St., Pittsburgh 13, Pa.
3 6 8
MELIND, Louis, 362 W. Chicago Ave., Chicago 10 6
MENDES, J. Curry, Corp., 104 Brookline Ave., Boston 15, Mass. 8
MENDEZ, Co., 30 Beekman St., New York 7
2 4 7 9
★MERGENTHALER Linotype Co., 29 Ryerson St., Brooklyn 5, N.Y.
MISSOURI Brass Type Foundry, 1620 N. 22nd St., St. Louis 6, Mo. 3
MISSOURI Central Type Foundry, 703 E. Murdock St., Wichita, Kansas
2 5 7
MONO-Trade Co., 213 S. 6th St., Minneapolis 2
2 4 7 9
NORTHWEST Type Foundry, 6504 Walker St., Minneapolis 15, Minn.
PERFECTION Type, Inc., 141 East 5th St., St., Paul 1, Minn.
1 2 5 9 10
PRINTERS Supply Service, 719 S. Dearborn St., Chicago 5, Ill.
2 4 7 9
QUAKER City Type Foundry, 152 N. 11th St., Philadelphia 7, Pa.
4 5 7 9
RULEX Type Corp., 127 W. Harrison, Chicago, Ill.
2 4 7 9
STERLING Type Foundry, Charlotte, Mich.
1 2 5
STEWART, Don, Co., 441 Clay St., San Francisco 11 9
STRIPFOUNDERS, Inc., 4550 S. Federal St., Chicago 9, Ill. 9
TAYLOR-Made Rule Co., 65 Flatbush Ave., Brooklyn 17, N.Y.
2 7 9 10
THOMPSON Type Founders, 1414 S. Harwood, Dallas 1, Tex.
4
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
2 7 8
UNITED American Metals Corp., 200 Diamond St., Brooklyn 22, N.Y. 9

TYPE CASES (See Cabinets, Cases, Racks)

TYPE-HIGH GAUGE (See Gauges and Testing Instruments)

TYPE, SLUG CASTERS (See Composing Machines and Supplies)

TYPEWRITERS, JUSTIFYING

ADDRESSING Machine & Equipment Co., 326 Broadway, New York, N.Y.
COMMERCIAL Controls Corp., 1 Leighton Ave., Rochester 2, N.Y.
COXHEAD, Ralph, Co., 333 Sixth Ave., New York
INTERNATIONAL Business Machine Corp., 590 Madison Ave., New York 22, N.Y.
REMINGTON Rand, Inc., 315 Fourth Ave., New York, N.Y.

TYPEWRITER RIBBON ATTACHMENTS (See Presses, Specialty Printing)

TYPEWRITER, RIBBONS

FUCHS & Lang Mfg. Co., Div., General Printing Ink Corp., 100 Sixth Ave., New York 13, N.Y.
INTERNATIONAL Business Machines Corp., 590 Madison Ave., New York 22, N.Y.
KEE Lox Mfg. Co., Rochester, N.Y.
MITTAG & Volger Inc., 76 Park Ave., Park Ridge, N.J.
REMINGTON Rand, Inc., 315 Fourth Ave., New York, N.Y.
STAFFORD, S. S., Inc., 609 Washington St., New York 14, N.Y.
UNDERWOOD Corporation, 1 Park Ave., New York 16, N.Y.

V

VACUUM PRINTING FRAMES

★AMERICAN Type Founders Sales Corp., 200 Elmora Ave., Elizabeth 8, N. J.
BAR-PLATE Mfg. Co., Boston Post Road, Orange, Conn.
BEATTIE Process Camera Corp., Chatham, N. J.
BRIDGEPORT Engravers Supply Co., 287 Atlantic Ave., Boston, Mass.
BROWN Coating Eqpt. Co., Wellston, Ohio
BROWN, W. A., Mfg. Co., 2035 Charleston St., Chicago 47, Ill.
CHEMCO Photoproducts Co., New Street, Glen Cove, N.Y.
CONSOLIDATED Photo Engravers Equipment Co., 1112 N. Homan Ave., Chicago, Ill.
DAVIDSON Co., Subs. of Mergenthaler Linotype Co., 1020 W. Adams, Chicago, Ill.
★DOUTHITT Corporation, The, 680 E. Fort St., Detroit 26, Mich.
GELB Company, Joseph, 52 Arlington St., Newark 2, N. J.
INTA-Roto Machine Co., R.F.D. 6, Box 61, Richmond 23, Va.
★LANSTON Monotype Machine Co., 24th at Locust, Philadelphia 3, Pa.
LEVY, Max, & Co., Wayne Ave. & Berkley St., Philadelphia, Pa.
MILLER-Trojan Company, 1083 W. Main St., Troy, Ohio
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
★NU ARC Company, 824 S. Western Ave., Chicago, Ill.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
PITMAN, Harold M., Co., 51st Ave. and 33rd St., Chicago 50, Ill.
★ROBERTSON Photo-mechanix, Inc., 7440 Lawrence Ave., Chicago, Illinois
RUTHERFORD Machinery Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
RYAN, E. G., Co., 153 W. Huron St., Chicago 5, Ill.
SULLEBARGER, E. T., Co., 110 Fulton St., New York 7, N.Y.
★WESEL Mfg. Co., 1141 N. Washington Ave., Scranton, Pa.
ZARKIN Machine Co., Inc., 34-19 10 St. Long Island City, N.Y.

VARIABLE SPEED PULLEYS

ALLIS-Chalmers Co., 1127 S. 70th St., Milwaukee 2, Wis.
★AMERICAN Type Founders, 200 Elmora Ave., Elizabeth 8, N. J.
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
★DAYTON Rubber Mfg. Co., 2342 W. Riverview Ave., Dayton, Ohio
HORTON Co., 1179 15th Ave., S.E., Minneapolis 14, Minn.
INTA-Roto Machine Co., R.F.D. 6, Box 61, Richmond 23, Va.
RANIVILLE, F., Co., 241 Pearl St., N.W., Grand Rapids, Mich.
REEVES Puller Company, Dept. RV, Columbus, Ind.
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.

VARIABLE SPEED TRANSMISSIONS

ALLIS-Chalmers Co., 1127 S. 70th St., Milwaukee 2, Wis.
ELECTRON Equipment Corp., Box 229, So. Pasadena, Calif.
LINK-Belt Company, 301 W. Pershing, Chicago, Ill.
OILGEAR Co., 1560 W. Pierce St., Milwaukee 4, Wis.
RANIVILLE, F., Co., 241 Pearl St., N.W., Grand Rapids, Mich.
REEVES Pulley Co., Columbus, Ind.
RELIANCE Electric & Engineering Co., 1088 Ivanhoe Road, Cleveland 10, Ohio
SANDY HILL Iron & Brass Works, 27 Allen St., Hudson Falls, N.Y.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Calif.

VENTILATING SYSTEMS (See Air and Paper Conditioners, Anti-Off-set Eqpt., and Heating, Ventilating Systems)

VIBRATION CONTROL METHODS

★FELTERS Co., The, 210 South St., Boston 11, Mass.
GOODRICH, B. F., Rubber Co., 500 S. Main St., Akron 18, Ohio
INTA-Roto Machine Co., R.F.D. 6, Box 61, Richmond 23, Va.
KORFUND Company, Inc., 48-15 32nd Place, Long Island City 1, N.Y.
UNITED States Rubber Co., 1230 Sixth Ave., New York 20, N.Y.
VIBRATION Eliminator Co., 10-28 47th Ave., Long Island City 1, N.Y.

W

WASH, BLANKET (See Blanket, Wash, Offset-Litho.)

WASHUP MATERIALS AND METHODS, OFFSET-LITHO

ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
ANDERSON-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla.
CLEAN-A-Press Machine Co., 821 3rd St., Des Moines 1, Iowa
DAVIDSON Corp., Subs. of Mergenthaler Linotype Co., 1020 W. Adams St., Chicago 7, Ill.
FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
FUCHS & Lang Mfg. Co., Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
★GEGENHEIMER, Wm., 80 Roebling St., Brooklyn 1
★INTERCHEMICAL Corp., Printing Ink Division, 67 W. 44th St., New York 19, N.Y.
McKINLEY Litho Supply Co., 1623 John Street, Cincinnati, Ohio
PHILLIPS & Jacobs, 622 Race St., Philadelphia
RYAN, E. G., & Co., 737 S. Dearborn St., Chicago 5, Ill.
SCHWARM & Jacobus Co., The, 1216 Jackson St., Cincinnati 10, Ohio
SENEFELDER Co., Inc., 32-4 Greene St., New York 13, N.Y.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
★SINCLAIR and Valentine Co., 611 W. 129th St., New York 27, N.Y.

WASHUP, OFFSET-LITHOGRAPHIC (See Roller, Inking, Washing Machines)

WASH, TYPE AND CUT

ADHESIVE Products Corp., 1660 Boone Ave., Bronx 60, N.Y.
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J.
★ANCHOR Chemical Corp., 829 Bergen St., Brooklyn 16, N.Y.
BRADEN Sutphin Ink Co., 3800 Chester Ave., Cleveland 14, Ohio
CHALMERS Chemical Co., 123 Chestnut St., Newark 5, N. J.
CHEMICAL Color & Supply Co., Div. Sun Chemical Corp., 2820 W. Grand Ave., Chicago, Ill.
DIVERSEY Corp., The Industrial Main't. Dept., 1820 Roscoe St., Chicago 13
EAGLE Printing Ink, Div. Sun Chemical Corp., 10th St. & 44th Ave., Long Island City 1, N.Y.
FEDERAL Mining & Mfg. Co., 222 Kearney Ave., Jersey City 4, N. J.
GAETJENS, Berger & Wirth, Inc., 35 York St., Brooklyn 1, N.Y.
HOWARD Flint Ink Co., 2546 Clark Ave., Detroit, Mich.
INCO Co., 2372 W. 7th St., Cleveland 14, Ohio
INDIANA Chemical & Mfg. Co., 517 So. Alabama St., Indianapolis 25, Ind.
MESSEROLE, Edward D., Co., Inc., 245 7th Ave., New York, N.Y.
METALS Refining Company, Box 109, Hammond, Ind.
PECK, James I. (Reg.), 47 High St., West Orange, N. J.
PERFECTION Type, Inc., Kellogg & Cedar Sts., St. Paul, Minn.
PHILLIPS & Jacobs, 622 Race St., Philadelphia
PURE Oil Co., 35 E. Wacker Drive, Chicago 1, Ill.
★SIEBOLD, J. H. & G. B., Inc., 150 Varick St., New York 13, N.Y.
STANDARD Oil Co. of Ky., Louisville, Ky.
TAYLOR-Gluem Co., Concord, N. H.
TROJAN Products Co., 53 W. Jackson Blvd., Chicago 2, Ill.

WEBBING (See Belts, Belting and Tape)

WELDER, ELECTRIC

GENERAL Electric Co., 1 River Road, Schenectady 5, N.Y.
WESTINGHOUSE Electric Corp., P.O. Box 868, Pittsburgh, Pa.

WIPERS, MOUTHPIECE AND SPACE BAND (See Composing Machines and Supplies)

WIPING CLOTHS

AMES Bag Company, 7609 Euclid Ave., Cleveland, Ohio
CALLAWAY Mills, 295 Fifth Ave., New York 16
SANITARY Wiping Cloth Co., 1810 Worcester St., Baltimore 30, Md.
SORG Paper Co., Middletown, Ohio

WIRE

1 Spiral Binding
2 Stapling and Stitching
3 Threading & Looping (Tags)

1 2 3
ACME Staple Co., 1643 Haddon Ave., Camden, N. J.
2
ACME Steel Co., 2840 Archer Ave., Chicago 8, Ill.
2
AMERICAN Steel & Wire Co., Rockefeller Bldg., Cleveland 13, Ohio
1 2
★AMERICAN Type Founders, Inc., 200 Elmora Ave., Elizabeth 8, N. J
1 2 3
BOSTITCH, Westerly, R. I.
2
CHICAGO Steel & Wire Company, 10257 Torrence Ave., Chicago 17, Ill.
2
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
HELLER Corp., The, 2135 Superior Ave., Cleveland 6
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2
PABICH, W. R., Mfg. Co., 2855-57 N. Rockwell St., Chicago 18, Ill.
2
PRENTISS, Geo. W., & Co., 439 Dwight St., Holyoke, Mass.
1 2
★SENECA Wire & Mfg. Co., Fostoria, Ohio
1 2 3
SPIRAL Binding Co., 406 W. 31st St., New York 1, New York
1

WOOD, CUT BLOCKING AND TINT BLOCKS

1 Cut Blocking
2 Die and Envelope-Cutting
3 Tint Blocks

1 2 3
★ACCURATE Steel Rule Die Mfrs., 22 W. 21st St., New York 10, N.Y.
2
AMERICAN Brass Co., Waterbury 20, Conn.
AMERICAN Fabricators, 22 W. 21st St., New York 10, N.Y.
2
AMERICAN Wood Type, 35 W. 3rd St., New York 12, N.Y.
3
FREMONT Tools & Die Co., 432 W. Wood St., Fremont, Ohio
1 2 3
★HAMILTON Mfg. Co., Two Rivers, Wis.
3
IRWIN Manufacturing Co., Garland 1, Pa.
1 3
MARKEL Products Co., 892 Lorimer St., Brooklyn 22, N.Y.
1
MENDEZ Co., 30 Beekman St., New York 7, N.Y.
3
SANDBERG Mfg. Co., 1941-1959 W. Fulton St., Chicago 12, Ill.
1
THOMPSON Cabinet Co., Ludington, Mich.
1
WELLS Mfg. Co., 1700 S. Main St., South Bend, Ind.
1

WRAPPING MACHINES

AMSCO Packaging Machinery Co., 31-31 48th Ave., Long Island City, N.Y.
ANDERSON, C. F., & Co., 3225 Calumet Ave., Chicago 16, Ill.
BARKLEY & Dexter, 50 Frankfort St., Fitchburg, Mass.
GELLMAN Mfg. Co., 1700 1st St., Rock Island, Ill.
★HUDSON Sharp Machine Co., 1201 Main St., Green Bay, Wis.
MAGNACRAFT Mfg. Co., 3138 W. Chicago Ave., Chicago 22, Ill.
PACKAGE Machinery Co., 132 Birnie Ave., Springfield, Mass.
PAPER Converting Machine Co., 601 Harvey St., Green Bay, Wis.
REDINGTON Co., F. B., 3000 St. Charles Road, Bellwood, Ill.

MACHINERY DEALERS

ABRAMS, M. L., Co., 1841 Prospect Ave., Cleveland 14, Ohio
ALLIED Printing & Binding Machinery Co., 3771 Chester Ave., Cleveland 14, Ohio
★AMERICAN Type Founders, 200 Elmora, Elizabeth 8, N. J.
AMSTERDAM Cont'l Types & Graphic Equip., Inc., 44 White Hall St., New York, N.Y.
AUTOMATIC Saw Co., 735 E. Ohio St., Indianapolis 2, Ind.
BARNHARD Company, 6 Columbia St., Newark, N. J.
BAUMGARDNER Sales & Service, 1909 Euclid Ave., Cleveland, Ohio
BENSON, N. C., Company, 714 S. Clark St., Chicago, Ill.
BRINTNALL, Harry W., Co., 430 Howard St., San Francisco
★CHICAGO Printers Machine Works, 609 W. Lake St., Chicago 6, Ill.
CONTINENTAL Printing Equipment Co., 1402 N. Western Ave., Chicago, Ill.
CRAFTSMAN Machinery Co., 575 Atlantic Ave., Boston 10, Mass.
CRESCENT Printers Supply, 301 W. First Avenue, Columbus 16, Ohio
DODSON Mfg. Co., 1195 Victory Dr., S.W., Atlanta 3, Ga.
DORSEY'S Printers Supply Co., Inc., 125 Pontotoc, Memphis, Tenn.
ECONOMY Printers Products Co., 609 S. La Salle St., Chicago 5, Ill.
FALCO Corp., 47-01 35th St., Long Island City, N.Y.
FULLER, E. C., Co., Inc., 28 Reade St., New York 7
GANE Brothers and Lane, Inc., 1355 W. Lake St., Chicago 7, Ill.
GLOBE Printer's Supply, Inc., 409 Washington St., Newark 2, N. J.
GREGGORY, Inc., 203 N. Wabash, Chicago 1, Ill.
GRIFFITHS, John, Co., Inc., 415 Lexington Avenue, New York, N.Y.
HALE, Frank D., 64 Tonnele Ave., Jersey City, N. J.
HALL, Norman F., Co., 733 Santiago St., San Francisco, Calif.
HALL, Thomas W., Co., Inc., Sunnyside Ave., Stamford, Conn.
HARTNETT, R. W., Co., 1025 Cherry St., Philadelphia 7, Pa.
HEUSLEIN, R. J., Co., 166-170 West 9th St., Indianapolis 4, Ind.
HOUSE of Hansen, Inc., 470 Atlantic Ave., Boston, Mass.
INDUSTRIAL Machinery Rebuilders, Inc., 648-54 Race St., Rockford, Ill.
JOHNSON, C. I., Mfg. Co., 145 S. Wabasha St., St. Paul 1, Minn.
KEMP, Wm. M., Co., 444 Market St., San Francisco 11, Calif.
LAVERY, Chas., 780 Montrose Ave., Columbus 9, Ohio
★LAWSON, E. P., Co., Inc., 426 W. 33rd St., New York 1, N.Y.
LOS ANGELES Type & Rule Co., 2251½ E. Pico Blvd., Los Angeles, Calif.
MARSHALL Son & Wheelock, Inc., 82 Lincoln St., Boston 11, Mass.
MASON-Moore-Tracy, Inc., 28 E. Fourth St., New York 3, N.Y.
MIDWEST Printers Supply, 139 E. Third St., Cincinnati 2, Ohio
MISSOURI-Central Type Foundry, 705 E. Murdock Ave., Wichita 5, Kan.
★NORTHERN Machine Works, 323-29 N. Fourth St., Philadelphia, Pa.
NORTHWEST Type Foundry, 507 S. Fourth St., Minneapolis 15, Minn.
PALMER, E. C., & Co., 515 Lafayette St., New Orleans, La.
PAVYER Printing Machine Works, 600 S. Broadway, St. Louis 2, Mo.
PAYNE, Ernest, Corp., 82 Beekman St., New York 7, N.Y.
PELOUZE, H. L., & Sons Co., 107 Hillcrest Bldg., Richmond, Va.
PERFECTION Type, Inc., 141 E. Fifth St., St. Paul
PRINTCRAFT Representatives, 277 Broadway, New York, N.Y.
PRINTERS Exchange, 624 S. Dearborn, Chicago 5, Ill.
PRINTERS Machinery Corp., 410 S. Clinton St., Chicago 7, Ill.
PRINTERS Supply Co., Inc., 10 White St., New York, N.Y.
PRINTING Industries Equipment, 135 W. 20th St., New York 11, N.Y.
RATHBUN & Bird Co., Inc., 375 W. Broadway, New York 12, N.Y.
RUESCH Company, 649 N. 4th St., Milwaukee 11, Wis.
RYAN, E. G., & Co., 153 W. Huron St., Chicago 5
SHERIDAN, T. W. & C. B., Co., Inc., 135 Lafayette St., New York 13, N.Y.
SHULMAN, Inc., Ben, 137 Gould St., Rochester, N.Y
SOUTHERN Printing Machinery, Inc., 521 Marietta St., N. W., Atlanta 13, Ga. (Mfrs.)
SPERO, J., & Co., 549 W. Randolph St., Chicago 6
STANDARD Paper Box Machine Co., Inc., 133 Bleecker St., New York 12, N.Y.
STEWART, Don, Co., 441 Clay St., San Francisco 11
STOKES & Smith Co., 5010 Summerdale Ave., Philadelphia, Pa.
★STOUT, Samuel C., Co., 343 S. Dearborn St., Chicago 4, Ill.
THORNTON, Seth, & Son, 606 Broadway, Kansas City, Mo.
TOMPKINS Printing Equipment Co., 720 S. Clark St., Chicago 5, Ill.
TOMPKINS Printing Equipment Co., 1040 W. Grand Blvd., Detroit 8, Mich.
TURNER Printing Machinery, Inc., 2630 Payne Ave., Cleveland 14, Ohio
★TYPE & Press of Illinois, 3312 N. Ravenswood, Chicago 6, Ill.
VAN DILLEN, Inc., 74 Beekman St., New York 7
WALKER, E. H., Supply Co., 140 Que St., N.E., Washington 2, D.C.
WESTERN Newspaper Union, 621 S. 13th St., Omaha 1, Nebr.
ZIMMER Printers Supply Co., 72 Beekman St., New York, N.Y.

INDEX TO PRINCIPAL PAPER LINES AND THE MANUFACTURERS

A

ANNOUNCEMENT

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
★BECKETT Paper Co., Hamilton, Ohio
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
CURTIS Paper Co., Newark, Delaware
IMPORT Paper Co., 701 W. Washington Blvd., Chicago 6, Ill.
KENT Paper Co., Inc., The, 159 Varick St., New York, N.Y.
LEADER Card Works, Inc., 916 S. Sixth St., Milwaukee 4, Wis.
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
RISING Paper Co., Park St., Housatonic, Mass.
★STRATHMORE Paper Co., West Springfield, Mass.

ADHESIVE PRINTING PAPERS—PRESSURE SENSITIVE

★AVERY Paper Company, 250 Chester St., Painesville, Ohio
★KLEEN-Stik Products, Inc., 225 N. Michigan Ave., Chicago 1, Ill.
SIMON Adhesive Products Corp., 424 W. 33rd St., New York, N.Y.
TOPFLIGHT Tape Company, 160 E. 9th Ave., York, Pa.

B

BIBLE PAPER

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
CRANE & Co., Inc., 30 South St., Dalton, Mass.
CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
ECUSTA Paper Corp., Pisgah Forest, N. C.
SCHWEITZER, P. J., Inc., P.O. Box 35, Elizabeth, N. J.
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.

BLANKS, PLAIN AND COATED

ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
BEVERIDGE Paper Co., 705 W. Washington St., Indianapolis, Ind.
BROWNVILLE Board Co., Brownville, N.Y.
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.
FRANKLIN Paper Co., Third Level Canal, Holyoke, Mass.
HOLYOKE Card & Paper Co., Fiske Ave., Springfield 9, Mass.
LEWIS, J. P., Co., Beaver Falls, N.Y.
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
LOWE Paper Co., River St., Ridgefield, N. J.
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
OTTEN Brothers Co., 7356 Richmond, Detroit 11, Mich.
★WHEELWRIGHT Papers, Inc., Leominster, Mass.

BLOTTING

1 No. 1 Grade
2 No. 2 Grade
3 No. 3 Grade
4 Embossed
5 Enameled
6 Fancy
7 Halftone
8 Offset Pasted

1 2 3 4 5 6 7 8
ALBEMARLE Paper Mfg. Co., Richmond, Va.
1 2 3 4 5 6 7 8
★CANTINE, Martin, Co., Saugerties 1, N.Y.
1 2 5 7
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N.W., Washington 7, D.C.
1 2 3 4 5 6
HARDING-Jones Paper Co., Middletown, Ohio
1 2 3
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
1 4 5 7
OTTEN Brothers Co., 7356 Richmond, Detroit 11, Mich.
5
1 2 3 4 5 6 7 8
PARKER, Joseph, & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
1 2 3 4 5 6 7
ROCHESTER Paper Co., Rochester, Mich.
1 2 3 4 5 7 8
STANDARD Paper Mfg. Co., Richmond, Va.
1 2 3 4 5 7 8
★WHEELWRIGHT Papers, Inc., Leominster, Mass.
1 2 3 4 5 7 8
WRENN Paper Co., Middletown, Ohio
1 2 3 4 5 6 7 8

BOARD

1 Binders
2 Box and Carton
3 Chip
4 Corrugated
5 Mat
6 Mounting
7 Poster
8 Press
9 Straw
10 Tag

1 2 3 4 5 6 7 8 9 10
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
2 3 5
APPLETON Coated Paper Co., Appleton, Wis.
10
BEVERIDGE Paper Co., Indianapolis 4, Ind.
5 6
CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Dr., Muskegon, Mich.
10
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
8 10
CHEMICAL Paper Mfg. Co., Jackson St., Holyoke, Mass.
2 7
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
6 10
CONSOLIDATED Paper Co., Monroe, Mich.
1 2 3 4 5 6 7 9
CORKPAK Co., The, 70 Argyle Ave., New Rochelle, N.Y.
5 8
FALULAH Paper Co., Falulah Rd., Fitchburg, Mass.
6
★HAMILTON, W. C., & Sons, Miquon, Pa.
6
HOLLINGSWORTH & Vose Co., 112 Washington St., E. Walpole, Mass.
10
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
10
HOLYOKE Card & Paper Co., Fiske Ave., Springfield 7, Mass.
6 10
INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N.Y.
2 4 10
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
10
LOW Paper Co., River St., Ridgefield, N. J.
1 2 3 5 6 7 9
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
10
MILLER Paper Co., 80 Wooster St., New York 12
5 6 7
OHIO Boxboard Co., Rittman, Ohio
2 3 4 9
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
10
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
8 10
SORG Paper Co., Middletown, Ohio
8 10
★WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
4
★WHEELWRIGHT Papers, Inc., Leominster, Mass.
5 6

BOND PAPER, COATED, ONE SIDE

APPLETON Coated Paper Co., Appleton, Wis.
★CANTINE, Martin, Co., Saugerties, N.Y.
MIAMI Valley Coated Paper Co., Franklin, Ohio
MICHIGAN Paper Co., Plainwell, Mich.
PERFECT Safety Paper Div., 299 Kingsland Rd., Nutley 10, N. J.
STANDARD Paper Mfg. Co., Richmond, Va.

BOND AND LEDGER PAPERS

1 100% Rag Content
2 75% Rag Content
3 50% Rag Content
4 25% Rag Content
5 Manifold Onion Skin Tissue (Thin Paper)
6 Sulphite and other blended chemical wood fibers
7 Writings

1 2 3 4 5 6 7
★AETNA Paper Co., Dayton, Ohio
1 2 3 4 6
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
1 2 3 4 5 6 7
BADGER Paper Mills, Inc., Peshtigo, Wis.
6
BARE, D. M., Paper Co., Roaring Springs, Pa.
6
BRIGHTWATER Paper Co., 115 Howland Ave., Adams, Mass.
1 2 3 4 6
BROWN, L. L., Paper Co., Adams, Mass.
1 2 3 5 7
★CANTINE, Martin, Co., Saugerties 1, N.Y.
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
6 7
CHEMICAL Paper Mfg. Co., Holyoke, Mass.
5 7
CRANE & Co., Inc., 30 South St., Dalton, Mass.
1
CROCKER-McElwain Co., Holyoke, Mass.
1 2 3 4
DEXTER, C. H., & Sons, Windsor Locks, Con.
5
★EASTERN Corporation, Bangor, Me.
5 6
ECUSTA Paper Corp., Pisgah Forest, N. C.
5
ESLEECK Mfg. Co., Turners Falls, Mass.
FLETCHER Paper Co., Alpena, Mich.
5 6
★FRASER Paper, Ltd., 420 Lexington Ave., New York 17, N.Y.
6 7
FRENCH Paper Co., Niles, Mich.
6
★GILBERT Paper Co., Menasha, Wis.
1 2 3 4 5
GLATFELTER, P. H., Co., Spring Grove, Pa.
6
GROVETON Papers, Inc., Groveton, N. H.
6
★HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
3 4
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
6 7
HARDING-Jones Paper Co., Excello, Ohio
1 2 3 4
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.
1 2 3 4 6
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
6 7
★HOWARD Paper Mills, Inc., Howard Paper Co., Div., Urbana, Ohio
6 7
INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N.Y.
5 6
KEITH Paper Co., Turners Falls, Mass.
1 2 3 4 7
★KIMBERLY-Clark Corp., Neenah, Wis.
LEE Paper Co., Vicksburg, Mich.
6
LINWEAVE, 21 Cypress St., Springfield, Mass.
1 4 6 7
★MAXWELL Paper Co., Franklin, Ohio
6
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
6 7
MICHIGAN Paper Co., Plainwell, Mich.
5 6
MILLERS Falls Paper Co., Millers Falls, Mass.
2 3 4 5
★MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
6
NEENAH Paper Co., Neenah, Wis.
1 2 3 4 5 7
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
6 7
NORTHWEST Paper Co., Cloquet, Minn.
6 7
PAPER Corporation of America, 350 Fifth Avenue, New York 1, N.Y.
6 7

1 2 3 4 5 6 7
PARKER-Young Co., 131 State St., Boston 9, Mass.
6
PARSONS Paper Co., Holyoke, Mass.
1 2 3 4 7
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
5
RISING Paper Co., Park St., Housatonic, Mass.
1 4
RIVERSIDE Paper Corp., Appleton, Wis.
6
SCHWEITZER, P. J., Inc., P.O. Box 35, Elizabeth, N.J.
5
SIMPSON Paper Company, Everett, Wash.
6 7
SORG Paper Co., Middletown, Ohio
1 2 3 4 5
STANDARD Paper Mfg. Co., Richmond, Va.
2 3 4 6 7
SOUTHWORTH Co., West Springfield, Mass.
6
★STRATHMORE Paper Co., West Springfield, Mass.
1 3 4 5 7
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
6
VALLEY Paper Co., Holyoke, Mass.
1 2 3 4 5
WARD Paper Co., Merrill, Wis.
5 6
WAUSAU Paper Mills Co., 111 W. Washington St., Chicago, Ill.
6 7
★WESTON, Byron Co., Main St., Dalton, Mass.
1 2 3 4
WHITING, George A., Paper Co., Menasha, Wis.
6
WHITING Paper Co., Holyoke, Mass.
1 2 3 4 5 7
WHITING-Plover Paper Co., Stevens Point, Wis.
1 2 3 4 5

BOOK, COATED

1 Book, Coated, Machine
2 Book, Coated, Offset
3 Colored
4 Dull Finish
5 Gloss Ink
6 No. 1 Grade
7 No. 2 Grade, Folding
8 No. 3 Grade
9 No. 4 Grade
10 Proofing, Coated one Side
11 Special Cast-Coated

1 2 3 4 5 6 7 8 9 10 11
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
2 3 4 5 6 7 8 9 10
APPLETON Coated Paper Co., Appleton, Wis.
2 3 4 5 6 7
★CANTINE, Martin, Co., Saugerties, N.Y.
2 3 4 5 6 7 8 9
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
1 2 3 4 5 6 7 8 9 10 11
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
3
★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
1 2
CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
2 4 5 6 7 8
★GILBERT Paper Co., Menasha, Wis.
1 2 3 4 5
INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N.Y.
1
KALAMAZOO Paper Co., Kalamazoo, Mich.
6 7 8 9
★KIMBERLY-Clark Corp., Neenah, Wis.
1 2 7 9
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
1 2 5 6 7 8 9
MIAMI Valley Coated Paper Co., Franklin, Ohio
2 3 4 5 6 7 8 9 10
MICHIGAN Paper Co., Plainwell, Mich.
6 7 8 9
MILLER Paper Co., 80 Wooster St., New York 12
4
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
10
★OXFORD Paper Co., 230 Park Ave., New York 17
1 2 4 6 7 8 9
★PORT Huron Sulphite & Paper Co., Port Huron, Mich.
READING Glazed Paper Corp., Reading, Pa.
1 3 4 11
REX Paper Co., Kalamazoo, Mich.
2 3 4 6 7 8 9
★ST. REGIS Paper Co., 230 Park Ave., New York, N.Y.
1 2 3 4 5 6 7 8 9 10 11
SIMPSON Paper Company, Everett, Wash.
1 2
SPRINGFIELD Coated Paper Co., 9th, Bailey & Esta Sts., Camden, N. J.
2 3 4 5
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
1 2 4 5 6 7 8 9 10
WATERVLIET Paper Co., Watervliet, Mich.
2 4 5 6 7 8 10
★WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
1 8
WYOMISSING Glazed Paper Co., Reading, Pa.
11

Keep this directory issue for reference You'll find it useful throughout the year

BOOK, UNCOATED

1 A Grade
2 B Grade
3 C Grade
4 D Grade
5 Antique
6 Coated
7 Eggshell
8 English Finish
9 Machine Finish
10 Mimeograph
11 Offset
12 Rotogravure
13 Super Calendered
14 Text, Deckle Edge
15 Text, Plain Edge
16 Vellum, Weddings

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
1 2 3 4 6 7 8 11
13
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
5 7
14 15 16
BARE, D. M., Paper Co., Roaring Spring, Pa.
1 7 8 10 11
13
★BECKETT Paper Co., Hamilton, Ohio
1 11
BERGSTROM Paper Co., Neenah, Wis.
1 2 3 4 11
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
1 2 5 7 8 10 11
12 13 14 15
CHILLICOTHE Paper Co., Chillicothe, Ohio
1 5 7 8 11
13 16
CORKPAK, The Co., Inc., 70 Argyle Ave., New Rochelle, N.Y.
CRANE & Co., Inc., 30 South St., Dalton, Mass.
16
CROCKER, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
1 2 5 6 7 8 9 11
12 13 15 16
CURTIS Paper Co., Newark, Delaware
13 14 15 16
★EASTERN Corporation, Bangor, Me.
16
FITCHBURG Paper Co., 642 River St., Fitchburg, Mass.
1 2 8 9 11
12 16
FOX River Paper Corp., Appleton, Wis.
16
FRASER Paper Limited, 420 Lexington Ave., New York, N.Y. 10
FRENCH Paper Co., Niles, Mich.
12 11
GLATFELTER, P. H., Co., Spring Grove, Pa.
1 2 5 7 8 9 10 11
★HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
14 15 16 10 11
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
10 11
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.
14 15 16
HOPPER Paper Co., Taylorville, Ill.
11
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
10 11
★HOWARD Paper Mills, Inc., Howard Paper Co. Div., Urbana, Ohio
10
INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N.Y.
1 2 3 4 5 7 8 9 10 11
12 13 14 15
KALAMAZOO Paper Co., Kalamazoo, Mich.
3 11
KEITH Paper Co., Turners Falls, Mass.
14 15 16
★KIMBERLY-Clark Corp., Neenah, Wis.
10
LEE Paper Co., Vicksburg, Mich.
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
14 15 16
★MAXWELL Paper Company, Franklin, Ohio
12 10 11
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
1 2 3 4 5 7 8 9 10 11
12 13 15
MIAMI Valley Coated Paper Co., Franklin, Ohio
6
MICHIGAN Paper Company, Plainwell, Mich.
1 2 3 4 5 7 8 9
13
MINNESOTA & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
2 3 5 9
★MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
14 15 16 10 11

1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16
NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
10 11
NEW YORK & Pennsylvania Co., Lock Haven, Pa.
1 2 3 4 5 7 8 11
13
NORTHWEST Paper Co., Cloquet, Minn.
1 2 7 8 10 11
13 15 16
★OXFORD Paper Co., 230 Park Ave., New York 17
1 2 5 7 8 9 10 11
12 13
PAPER Corporation of America, 350 Fifth Avenue, New York 1, N.Y.
2 5 8 9 10 11
PENINSULAR Paper Co., Ypsilanti, Mich.
6 11
14 15
REX Paper Company, Kalamazoo, Mich.
11
RISING Paper Company, Housatonic, Mass.
16 11
★ST. REGIS Paper Co., 230 Park Ave., New York, N.Y.
1 2 3 4 9
12 13
SIMPSON Paper Company, Everett, Wash.
7 8 9 10 11
13 15
SORG Paper Company, Middletown, Ohio
5 6 7 9 10 11
13
STANDARD Paper Mfg. Co., Richmond, Va.
6 11
12
★STRATHMORE Paper Company, West Springfield, Mass.
1 5 9 11
14 15 16
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
1 2 3 5 8 9 10 11
13 14 15
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
1 2 3 5 7 8 11
13
WATERVLIET Paper Co., Watervliet, Mich.
11
WAUSAU Paper Mills, 111 W. Washington, Chicago
16 10 11
★WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
1 2 5 7 8 9 10 11
12 13
WHITING, George A., Paper Co., Menasha, Wis.
16
WHITING Paper Company, Holyoke, Mass.

BRISTOLS

1 Coated Bristols and Post Card
2 Index, 100% Rag Content
3 Index, 50% Rag Content
4 Index, 25% Rag Content
5 Index, Sulphite and Bleached Sulphate
6 Wedding
7 Railroad
8 Tough Check

1 2 3 4 5 6 7 8
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99
1 5
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
3 5 6
APPLETON Coated Paper Co., Appleton, Wis.
1 7 8
BEVERIDGE Paper Co., 717 W. Washington, Indianapolis 4, Ind.
1 2 3
BROWN, L. L., Paper Co., Adams, Mass.
★CANTINE, Martin Co., Saugerties 1, N.Y.
1 5
CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Drive, Muskegon, Mich.
5
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
1 5
CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
5
COLLINS Mfg. Co., North Wilbraham, Mass.
2 3 4
CRANE & Co., Inc., 30 South St., Dalton, Mass.
2 6
CROCKER-McElwain Co., Holyoke, Mass.
3 4
FOX River Paper Corp., Appleton, Wis.
6
FRANKLIN Paper Co., Third Level Canal, Holyoke, Mass. 5
★GILBERT Paper Co., Menasha, Wis.
2 3 4
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
5
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.
2 4 6
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
5
HOLYOKE Card & Paper Co., Fiske Ave., Springfield, Mass.
1 8
HOPPER Paper Co., Taylorville, Ill.
5
INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N.Y. 5

1 2 3 4 5 6 7 8
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
1 4 5
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
6
MARVELLUM Co., Appleton St., Holyoke, Mass.
1
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
1 5
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
1 5
NEENAH Paper Co., Neenah, Wis.
3 4
NORTHWEST Paper Co., Cloquet, Minn.
5
OTTEN Bros. Co., 7356 Richmond St., Detroit 11, Mich.
1 2 6 7 8
PARSONS Paper Co., Holyoke, Mass.
2 3 4
PENINSULAR Paper Co., Ypsilanti, Mich.
5
PERFECT Safety Paper Co., 299 Kingsland Road, Nutley 10, N. J.
5
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
5
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
5
★RISING Paper Co., Park St., Housatonic, Mass.
2
SIMPSON Paper Company, Everett, Wash.
5
SORG Paper Company, Middletown, Ohio
2 3 4 5
STANDARD Paper Mfg. Co., Richmond, Va.
5
★STRATHMORE Paper Co., West Springfield, Mass.
6
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
5
VALLEY Paper Co., Holyoke, Mass.
3
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
1
WATERVLIET Paper Co., Watervliet, Mich.
1
★WEST VIRGINIA Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
5
★WESTON, Byron, Company, Main St., Dalton, Mass.
2 3 4 6
★WHEELWRIGHT Papers, Inc., Leominster, Mass.
1 5
WHITING Paper Co., Holyoke, Mass.
2 3 4 6

C

CARBON PAPER

ACE Carbon Paper Co., 413 Summer St., Boston 18, Mass.
★AMERICAN Carbon Paper Corp., 1313 W. Lake St., Chicago, Ill.
AMERICAN Paper Mfg. Co., Ennis, Tex.
AMERICAN Register Co., 565 W. Washington St., Chicago 6, Ill.
CARB-N-SET Business Forms, 816 Ferguson Ave., Dayton 7, Ohio
FRYE Mfg. Co., 301 University Ave., Des Moines 4, Iowa
GENERAL Manifold & Printing Company, Franklin, Pa.
KEE Lox Mfg. Co., Rochester 1, N.Y.
LEEDALL Products Mfg. Co., Milltown, N. J.
MITTAG & Volger, Inc., 76 Park Ave., Park Ridge, N. J.
PEERLESS Key-Imperial Mfg. Co., 401 Mulberry St., Newark, N. J.
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
REMINGTON Rand, Inc., 205 E. 42nd St., New York
STAFFORD, S. S., 609 Washington St., New York
STORMS, H. M., Co., 561 Grand St., Brooklyn, N.Y.
UNDERWOOD Corp., 1 Park Ave., New York 16, N.Y.

CARBONLESS COPYING PAPER

NATIONAL Cash Register Co., Miami and K Streets, Dayton 9, Ohio

CELLOPHANE

1 Bags
2 Cord
3 Envelopes
4 Ribbon
5 Twine

1 2 3 4 5
AMERICAN Paper Goods Co., Kensington, Conn.
AMES Bag Co., 7009 Euclid Ave., Cleveland, Ohio
DANIELS Mfg. Company, Rhinelander, Wis.
DOBECKMUN, Co., P.O. Box 6417, Cleveland 1, Ohio
1 3
NASHUA Corporation, Nashua, N. H.
1
UNITED States Envelope Co., 21 Cypress St., Springfield 2, Mass.
1 3

CLOTH-LINED PAPER

MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Corporation, 44 Franklin St., Nashua, N. H.
REXFORD Paper Co., 3100 W. Mill Rd., Milwaukee 9, Wis.
UNITED Mfg. Co., 168 Birnie Ave., Springfield, Mass.

COVER PAPERS

1 Acetate Film Surface
2 Coated
3 Decorative
4 Duplex
5 Embossed Finish
6 Pyroxylin Coated
7 Rag Content
8 Sulphite
9 Velour One Side

1 2 3 4 5 6 7 8 9
ALBEMARLE Paper Mfg. Co., Richmond, Va.
5 8
ALLIED Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
2
AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
3 5 8
APPLETON Coated Paper Co., Appleton, Wis.
2
ARTCOTE Papers, Inc., 390 Coit St., Irvington 11, N. J.
★BECKETT Paper Co., Hamilton, Ohio
5 7 8
BEVERIDGE Paper Co., Indianapolis, Ind.
6 8
★CANTINE, Martin, Co., Saugerties 1, N.Y.
2
CELLUSUEDE Products, Inc., 500 N. Madison St., Rockford, Ill.
CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Drive, Muskegon, Mich.
★CHAMPION Paper & Fibre Co., Hamilton, Ohio
2 5 8
CHEMICAL Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
3 4 5 8
COLLINS, A. M., Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
2 3 4 5
CROCKER-Burbank Paper, Inc., 545 Westminster St., Fitchburg, Mass.
2
CURTIS Paper Co., Newark, Del.
7 8
★DENNISON Mfg. Co., Framingham, Mass.
6
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N.W., Washington 7, D.C.
3 5 7 8 9
DOBECKMUN Co., P.O. Box 6417, Cleveland 1, Ohio
1
★EASTERN Corp., Bangor, Me.
8
EASTMAN Kodak, 343 State, Rochester 4, N.Y.
1
★GILBERT Paper Co., Menasha, Wis.
7
★HAMILTON, W. C., & Sons, Miquon, Montgomery County, Pa.
7 8
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
2 4 5 8
HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
3
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.
7 8
HOLYOKE Card & Paper Co., Fiske Ave., Springfield 7, Mass.
2 3 4 5
KNOWLTON Brothers, 213 Factory St., Watertown, N.Y.
7
LEE Paper Co., Vicksburg, Mich.
8
LINTON Bros. Co., 22 Rollstone St., Fitchburg, Mass.
5
LINWEAVE, 21 Cypress St., Springfield 2, Mass.
7 8
★MARVELLUM Co., Appleton St., Holyoke, Mass.
2 3 4 5
McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
2
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
2 3 4 5 8 9
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
2 5
MILLER Paper Co., 80 Wooster St., New York 12
2 6
★MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
2 3 5 8
NASHUA Corp., 44 Franklin St., Nashua, N. H.
9
NEW York & Pennsylvania Co., Lock Haven, Pa.
NORTHWEST Paper Co., 20 N. Wacker Drive, Chicago, Ill.
8
★OXFORD Paper Co., 230 Park Ave., New York 17
2
PAPER Corp. of America, 350 Fifth Ave., New York 1, N.Y.
8
PENINSULAR Paper Co., Ypsilanti, Mich.
8
PLASTIC Coating Corp., 38 Winter, Holyoke, Mass.
3 6
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
5
REX Paper Co., Kalamazoo, Mich.
2
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
3 5
ROCHESTER Paper Co., Rochester, Mich.
8

1 2 3 4 5 6 7 8 9
★ST. REGIS Paper Co., 230 Park Ave., New York
2
SORG Paper Company, Middletown, Ohio
1 2 4 5 7 8
SPRINGFIELD Coated Paper Corp., Camden, N. J.
2 3 4 5 6
STANDARD Paper Mfg. Co., Richmond, Va.
8
★STRATHMORE Paper Co., West Springfield, Mass.
3 4 5 7 8
TILESTON & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
8
UNITED Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
5
WARREN, S. D., Co., 89 Broad St., Boston 1, Mass.
2
WATERVLIET Paper Co., Watervliet, Mich.
2
WESTON, Byron Co., Main St., Dalton, Mass.
7
★WHEELWRIGHT Papers, Inc., Leominster, Mass.
3 4 5 8 9
WHITING, George A., Paper Co., Menasha, Wis.
8
WYOMISSING Glazed Paper Co., Reading, Pa.
2 3 5

D

DECALCOMANIA

★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
INTERNATIONAL Paper Co., 220 E. 42nd St., New York 17, N.Y.
McLAURIN-Jones Co., 744 Phillip Ave., Brookfield, Mass.
NASHUA Gummed & Coated Papers, 44 Franklin St., Nashua, N. H.
NAZ-Dar Co., 461 Milwaukee Ave., Chicago 10, Ill.
ROSCO Laboratories, 367 Hudson Ave., Brooklyn 1, N.Y.

DIE WIPERS

CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Drive, Muskegon, Mich.
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.

DUPLICATOR

1 Master Copy
2 Rag Content
3 Sulphite
4 Supplies

1 2 3 4
APPLETON Coated Paper Co., Appleton, Wis.
1 3
BADGER Paper Mills, Inc., Peshtigo, Wis.
3
CROCKER Burbank Paper, Fitchburg, Mass.
1
DITTO, Inc., 2243 W. Harrison St., Chicago 12, Ill.
1 2 3
★EASTERN Corporation, Bangor, Me.
3
★FRASER Paper, Ltd., 420 Lexington Ave., New York, N.Y.
3
GLATFELTER, P. H., Co., Spring Grove, Pa.
3
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
1 3
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N.Y.
3
★KIMBERLY-Clark Corp., Neenah, Wis.
1 3
KEE Lox Mfg. Co., Rochester 1, N.Y.
4
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
1 3
MIAMI Valley Coated Paper Co., Franklin, Ohio
1 3
★MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
3
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
1 3
NORTHWEST Paper Co., Cloquet, Minn.
3
PAPER Corp. of America, 350 Fifth Ave., New York 1, N.Y.
3
SORG Paper Co., Middletown, Ohio
3
STANDARD Duplicating Machines Corp., 1935 Revere Parkway, Everett 39, Mass.
1 3
WAUSAU Paper Mills, 111 W. Washington St., Chicago, Ill.
3
★WESTON, Byron Co., Main St., Dalton, Mass.
2

E

ENVELOPE MANUFACTURERS

AMERICAN Envelope Co., Inc., West Carrolton, Ohio
AMERICAN Paper Goods Co., Kensington, Conn.
AMES Safety Envelope Co., Sommerville, Mass.
BOURKE-Rice Envelope Co., 520 S. Clinton St., Chicago, Ill.
CUPPLES-Hesse Corp., 4175 Kings Highway Blvd., St. Louis, Mo.
CURTIS 1000, Inc., St. Paul, Minn.
★DAYTON Envelope Co., Dayton, Ohio
GAW-O'Hara Envelope Co., 500 N. Sacramento Blvd., Chicago, Ill.
KARROLTON Envelope Co., 1521 W. Harrison St., Chicago, Ill.
KENT Paper Co., 159 Varick St., New York, N.Y.
LINWEAVE, 21 Cypress St., Springfield, Mass.
NORTHERN States Envelope Co., Inc., 300 E. Fourth St., St. Paul 1, Minn.
OLD Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
OUTLOOK Envelope Co., 1001 W. Washington Blvd., Chicago, Ill.
STANDARD Envelope Mfg. Co., The, 1640 E. 30th St., Cleveland, Ohio
★UNITED States Envelope Co., 21 Cypress St., Springfield, Mass.
WESTERN States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
WHITING Paper Co., Holyoke, Mass.

F

FLAMEPROOF

CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Dr., Muskegon, Mich.
CROCKER Burbank Paper, Fitchburg, Mass.
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
MIAMI Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
SORG Paper Co., Middletown, Ohio

FLUORESCENT PAPERS

CROCKER Burbank Paper, Inc., 545 Westminster St., Fitchburg, Mass.
RADIANT Color Co., 830 Isabella St., Oakland 7, Calif.

G

GLASSINE, PAPER (PLAIN AND EMBOSSED)

CROCKER Burbank Paper, Fitchburg, Mass.
DANIELS Mfg. Co., Rhinelander, Wis.
DEERFIELD Glassine Co., Monroe Bridge, Mass.
GLASSINE Paper Co., Conshohocken, Pa.
GUMMED Tape & Devices Co., 1318-20 60th Street, Brooklyn 19, New York
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
WESTFIELD River Paper Co., Inc., Russell, Mass.

GREETING CARD
(See Under Book, Uncoated)

GUMMED LABEL, GUMMED CLOTH TAPE AND HOLLANDS

ARTCOTE Papers, Inc., 390 Coit St., Irvington 11, N. J.
★BROWN-Bridge Mills, Inc., Troy, Ohio
CHICAGO Gum Tape Co., 855 W. Adams St., Chicago 7, Ill.
CORKPAK Co., Inc., The, 70 Argyle Ave., New Rochelle, N.Y.
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
GUMMED Products Co., Troy, Ohio
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 26, N.Y.
McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Corp., 44 Franklin St., Nashua, N. H.
★PAPER Manufacturers Co., 9800 Bustleton Ave., Philadelphia 15, Pa.
REXFORD Paper Co., 3100 W. Mill Rd., Milwaukee 9, Wis.
★ST. REGIS Paper Co., 230 Park Ave., New York, N.Y.

GUMMED OFFSET

★BROWN-Bridge Mills, Inc., Troy, Ohio
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
McLAURIN Jones Co., 744 Philip Ave., Brookfield, Mass.
MID-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Corporation, Nashua, N. H.
★PAPER Manufacturers Co., 9800 Bustleton Ave., Philadelphia 15, Pa.

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H

HEAT SEAL LABEL

★BROWN-Bridge Mills, Inc., Troy, Ohio
★DENNISON Mfg. Co., 300 Howard St., Framingham, Mass.
GUMMED Products Co., Troy, Ohio
McLAURIN-Jones Company, 744 Phillip Ave., Brookfield, Mass.
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
MID-STATES Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
NASHUA Corp., 44 Franklin St., Nashua, N. H.
★PAPER Manufacturers Co., 9800 Bustleton Ave., Philadelphia 15, Pa.
PLASTIC Coating Corp., 38 Winter, Holyoke, Mass.
SORG Paper Co., Middletown, Ohio

L

LEDGERS (See Bonds and Ledgers)

M

MANIFOLDS AND ONION SKINS (THIN PAPER) (See Bonds and Ledgers)

MANILA (See Book, Uncoated)

METALLIC (FOIL)

ALUMINUM Co. of America, Pittsburgh, Pa.
CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Dr., Muskegon, Mich.
DISTRICT of Columbia Paper Mills, Inc., Potomac & K Sts., N.W., Washington 7, D.C.
★HAMMERMILL Paper Co., Erie 6, Pa.
HAMPDEN Glazed Paper & Card Co., Holyoke, Mass.
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
JOHNSTON Tin Foil & Metal Co., The, St. Louis, Mo.
★KIMBERLY-Clark Corp., Neenah, Wis.
MARVELLUM Co., The, Holyoke, Mass.
MILLER Paper Co., 80 Wooster St., New York 12
NASHUA Corporation, 44 Franklin St., Nashua, N. H.
REYNOLDS Metals Co., Richmond, Va.
WYOMISSING Glazed Paper Co., Reading, Pa.

MIMEOGRAPH
(See Bond and Ledgers)

N

NEWSPRINT

PRICE Bros. & Co., Price House, Quebec, Can.
WRIGHT Co., 444 Madison Ave., New York

O

OPAQUE

★AETNA Paper Co., Dayton, Ohio
★BECKETT Paper Co., Hamilton, Ohio
CHILLICOTHE Paper Co., Chillicothe, Ohio
CROCKER Burbank Paper, Fitchburg, Mass.
★EASTERN Corporation, Bangor, Me.
FOX River Paper Corp., Appleton, Wis.
★HAMILTON, W. C., & Sons, Miquon, Pa.
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa.
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.
INTERNATIONAL Paper Co., 220 East 42nd St., New York 17, N.Y.
★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
★MOHAWK Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
STANDARD Paper Mfg. Co., Richmond, Va.
★STRATHMORE Paper Co., W. Springfield, Mass.
WESTON, Byron Co., Main St., Dalton, Mass.

OPAQUE BONDS

AMERICAN Writing Paper Corp., 9 Main St., Holyoke, Mass.
CROCKER-McElwain Co., Holyoke, Mass.
FOX River Paper Corp., 401 S. Appleton St., Appleton, Wis.
★FRASER Paper, Ltd., 420 Lexington Ave., New York 17, N.Y.
★GILBERT Paper Co., Menasha, Wis.
★HAMILTON, W. C., & Sons, Miquon, Pa.
HAWTHORNE Paper Co., Kings Highway, Kalamazoo, Mich.

★MEAD Papers, Inc., 118 W. First St., Dayton 2, Ohio
MILLERS Falls Paper Co., Mill Rd., Millers Falls, Mass.
NEENAH Paper Company, Neenah, Wis.
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
PAPER Corporation of America, 350 Fifth Ave., New York 1, N.Y.
PORT Huron Sulphite & Paper Co., Port Huron, Mich.
RISING Paper Company, Park St., Housatonic, Mass.
★STRATHMORE Paper Co., West Springfield, Mass.
VALLEY Paper Co., Holyoke, Mass.
WAUSAU Paper Mills, 111 W. Washington St., Chicago, Ill.
WHITING-Plover Paper Co., Stevens Point, Wis.
WHITING Paper Co., Holyoke, Mass.

P

PARCHMENT
PATERSON Parchment Paper Co., Bristol, Pa.
★STRATHMORE Paper Co., West Springfield, Mass.
WEST Carrollton Parchment Co., West Carrollton, Ohio

PARCHMENT, ARTIFICIAL (DIPLOMA)
CHILLICOTHE Paper Company, Chillicothe, Ohio
CRANE & Co., Dalton, Mass.
★HAMMERMILL Paper Co., Erie, Pa.
PATERSON Parchment Paper Co., Bristol, Pa.
★STRATHMORE Paper Co., West Springfield, Mass.
★WESTON, Byron Co., Main St., Dalton, Mass.

PHOTO MOUNT (See Board)

POST CARDS (See Bristols)

PRESSURE SENSITIVE PAPER AND TAPE
★AVERY Paper Co., 250 Chester St., Painesville, Ohio
★KLEEN-Stik Products, Inc., 225 N. Michigan Ave., Chicago 16, Ill.

PROOFING (See Coated Book)

R

ROTOGRAVURE (See Book, Uncoated)

S

SAFETY (CHECK, BANK NOTE)
CRANE & Co., Dalton, Mass.
★FRASER Paper Ltd., 420 Lexington Ave., New York, N.Y.
★GILBERT Paper Co., Menasha, Wis.
GURNEY Security Paper Co., 68 Washington St., Brooklyn 1, N.Y.
GUMMED Tape & Devices Co., 1069-71 Rogers Ave., Brooklyn 26, N.Y.
★HAMMERMILL Paper Co., 1490 E. Lake Rd., Erie, Pa
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
LAMONTE, George, & Son, Nutley 10, N. J.
★NEKOOSA-Edwards Paper Co., Port Edwards, Wis.
PERFECT Safety Paper Co., 299 Kingsland Rd., Nutley 10, N. J.

T

TAG BOARD (See Board)

TYMPAN (DRAWSHEET)
CENTRAL Paper Co., Inc., Div. S. D. Warren Co., 2400 Lake Shore Dr., Muskegon, Mich.
CORKPAK Co., The, Inc., 70 Argyle Ave., New Rochelle, N.Y.
★CROMWELL Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
HOLLINGSWORTH & Vose Co., 112 Washington St., East Walpole 1, Mass.
HOLLINGSWORTH & Whitney Co., 60 Battery March St., Boston 2, Mass.
★MINNESOTA Mining & Mfg. Co., 900 Fauquier St., St. Paul 6, Minn.
RIEGEL Paper Corp., 342 Madison Ave., New York 17, N.Y.
SEAMAN Paper Co., 1858 W. Hubbard St., Chicago 22, Ill.
SORG Paper Company, Middletown, Ohio

U

UNION WATERMARKED
★CONSOLIDATED Water Power & Paper Co., Wisconsin Rapids, Wis.
HOPPER Paper Co., Taylorville, Ill.
★MOHAWK Paper Mills, Inc., 465 E. Saratoga St., Cohoes, N.Y.
STRATHMORE Paper Co., West Springfield, Mass.

V

VELLUM, WEDDINGS (See Book, Uncoated)

W

WRITINGS (See Bond and Ledger)

INDEX TO POPULAR BRAND NAMES

A

ACADEMY (Bond)—Valley Paper Co., Holyoke, Mass.
ACCEPTANCE (Bond, Ledger, Bristol)—American Writing Paper Co., Holyoke, Mass.
ACCOUNTANTS (Ledger)—Linton Bros. Co., Fitchburg, Mass.
ACTION (Bond, Ledger)—Crocker-McElwain Co., Holyoke, Mass.
ADENA (Book)—Chillicothe Paper Co., Chillicothe, Ohio
ADIRONDACK (Bond, Ledger)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
ADVANCE (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
ADVERTISERS (Bond)—Watervliet Paper Co., Watervliet, Mich.
ADVOCATE (Bond, Ledger)—Brightwater Paper Co., Adams, Mass.
AGAWAN (Bond, Bristol, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.
AIRWEIGHT (Onion Skin)—Ward Paper Co., Merrill, Wis.
ALBEMARLE (Blotting, Cover)—Albemarle Paper Co., Richmond, Va.
ALBION (Book)—American Writing Paper Corp., Holyoke, Mass.
ALEXANDRA (Brilliant, Japan)—Strathmore Paper Co., West Springfield, Mass.
★ALEXIS (Drawing Paper)—Strathmore Paper Co., West Springfield, Mass.
ALL AMERICAN (Bond)—Harding-Jones Paper Co., Middletown, Ohio
AMERICAN (Book, Cover, Text)—American Writing Paper Corp., Holyoke, Mass.
AMESTYLE (Envelope)—Ames Safety Envelope Co., 21 Vine St., Somerville, Mass.
AMKLEER (Cellophane Bags, Envelopes)—The American Paper Goods Co., Kensington, Conn.
ANCHOR (Safety)—George LaMonte & Son, Holyoke, Mass.
★ANDORA (Cover, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
ANGORA (Wedding)—Whiting Paper Co., Holyoke, Mass.
ANNIVERSARY (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
APPLETON (Book, Litho)—Appleton Coated Paper Co., Appleton, Wis.
ARROWHEAD Bond (Env)—Western State Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
★AQUASET (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N.Y.
AQUASTRONG (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
★ARDOR (Bond, Ledger, Duplicator, Mimeograph)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
★ARIEL (Bond, Cover)—Champion Paper & Fibre Co., Hamilton, Ohio
ART (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
★ART Parchment, Strathmore Paper Co., West Springfield, Mass.
ARTESIAN (Bond, Ledger) Opaque—Whiting-Plover Paper Co., Stevens Point, Wis.
ASHBY (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
ATHOS (Cover)—United Manufacturing Co., 168 Birnie Ave., Springfield 7, Mass.
★ATLANTIC (Bond, Cover, Duplicator, Ledger, Mimeograph, Opaque)—Eastern Corporation, Bangor, Me.
AUDUBON (Cover, Text)—Hurlbutt Paper Co., South Lee, Mass.

B

BADGER (Bond)—Badger Paper Mills, Inc., Peshtigo, Wis.
BANKERS (Safety)—George LaMonte & Son, Nutley 10, N. J.
BANKERS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
BANTAM (Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.
BASKET WEAVE (Safety)—George LaMonte & Son, Nutley 10, N. J.
BASKET WEAVE (Blotting)—The Wrenn Paper Co., Middletown, Ohio
BAYFIELD (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
★BAY PATH (Bond) Opaque—Strathmore Paper Co., West Springfield, Mass.
★B B BRAND (Heat Seal Label)—Brown-Bridge Mills, Inc., East Water St., Troy, Ohio
★BEAU BRILLIANT (Text)—Strathmore Paper Co., West Springfield, Mass.
★BECKETT (Announcement, Book,, Cover)—Beckett Paper Co., Hamilton, Ohio
BEES WING (Onion Skin)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
BENEFIT (Bristol)—Chemical Paper Mfg. Co., Holyoke, Mass.
BETA (Bristol)—Franklin Paper Co., Holyoke, Mass.
BIBLIOPAKE (Bible)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
BLACK & WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N.Y.
BLACKSTONE (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
★BLACKSTONE (Bond)—Byron Weston Paper Co., Dalton, Mass.
BLANCA (Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
BLUEBIRD (Blotting)—The Wrenn Paper Co., Middletown, Ohio
BLUE STAR (Gummed Tape)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.
BLU-KORE TREAD (Gummed Tape)—Gummed Products Co., S. Union St., Troy, Ohio
BOOKCRAFT (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
★BORDER (Bond, Onion Skin)—Fraser, Ltd., 420 Lexington Ave., New York 17, N.Y.
BRENTWOOD (Announcement, Wedding Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
BREWSTER (Wedding)—Crocker-McElwain Co., Holyoke, Mass.
BRIDAL WHITE (Wedding)—Keith Paper Co., Turners Falls, Mass.
BRIGHTWATER (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mich.
BRIGHTWOOD (Box Covering, Bristol, Showcard)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
BRILLIANTONE (Book, Litho)—The Miami Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
BRITEHUE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
BRITENESS (Bond, Book, Bristol, Onion Skin)—North American Pulp & Paper Co., Cheboygan, Mich.
BROKAW (Offset)—Wausau Paper Mills, 111 W. Washington St., Chicago 2, Ill.
BROTHERHOOD (Union) (Bond, Book, Ledger, Union Watermarked)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
★BROWN-BRIDGE (Label)—Brown-Bridge Mills, Inc., E. Water St., Troy, Ohio
BROWN'S FINE (Ledger)—L. L. Brown Paper Co., Adams, Mass.
BROWN'S LINEN (Ledger)—L. L. Brown Paper Co., Adams, Mass.
★BUCKEYE (Cover, Text)—Beckett Paper Co., Hamilton, Ohio

BUCKHIDE (Manila and other Tag)—Sorg Paper Co., Middletown, Ohio
BUSINESS (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

C

★CANFOLD (Cover)—Martin Cantine Co., Saugerties 1, N.Y.
★CANTINE'S (Bond, Cover)—Martin Cantine Co., Saugerties 1, N.Y.
★CARILLON (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
CARLTON (Bond, Duplicator, Ledger, Mimeograph)—The Northwest Paper Co., Cloquet, Minn.
CARRARA Env.—Western States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
CASCADE (Book)—Watervliet Paper Co., Watervliet, Mich.
CASHIERS (Safety)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
★CASLON (Mimeo Paper)—Kimberly-Clark Corp., Neenah, Wis.
★CATSKILL (Book, Litho)—Martin Cantine Co., Saugerties 1, N.Y.
CAVALIER (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
CECIL (Book)—Jessup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
★CELLUGLOSS (Book, Box Coverings, Litho, Proofing)—St. Regis Paper Co., 230 Park Ave., New York 2, N.Y.
CELLUSUEDE (Cover)—Cellusuede Products, Inc., 500 N. Madison St., Rockford, Ill.
★CENTENNIAL (Ledger)—Byron Weston Co., Main St., Dalton, Mass.
CENTRALINE (Bristol, Cover, Kraft, Ledger, Manila, Poster Print, Onion Skin, Towels, Tympan, Waterproof, Waxed)—Central Paper Co., Div. S. D. Warren Co., 2400 Lake Shore Dr., Muskegon, Mich.
CERTIFICATE (Bond, Book, Bristol, Ledger, Post Card)—Crocker-McElwain Co., Holyoke, Mass.
CERTIFINE (Tympan)—Riegel Paper Corp., 342 Madison Ave., New York 17, N.Y.
★CERULEAN (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
CHAMELEON (Cover)—Springfield Coated Paper Corp., Camden, N. J.
CHAMOIS (Text)—Chillicothe Paper Co., Chillicothe, Ohio
CHATEAU (Announcement, Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
CHEMCO (Bristol)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
CHESTER (Wedding)—American Writing Paper Corp., Holyoke, Mass.
★CHESTERLYN (Wedding)—Strathmore Paper Co., West Springfield, Mass.
CHIEFTAN (Bond)—Neenah Paper Co., Neenah, Wis.
★CHROMA—Strathmore Paper Co., West Springfield, Mass.
CLARION (Book, Cover, Litho, Rotogravure and Gravure)—New York & Pennsylvania Co., Lock Haven, Pa.
CLEARCOPY (Onion Skin)—Esleeck Mfg. Co., Turners Falls, Mass.
CLYDESDALE (Bond)—Keith Paper Co., Turners Falls, Mass.
★COCKLETONE (Bond, Bond Envelope Stock)—Hammermill Paper Co., Erie, Pa.
COLD SPRINGS (Bond, Ledger, Onion Skin)—Whiting-Plover Paper Co., Stevens Point, Wis.
COLDSTREAM (Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
COLORED NATIONAL (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
★COLORFOLD (Cover)—Martin Cantine Co., Saugerties 1, N.Y.
★COLORKOTE (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
★COLUMBIAN (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
COMET (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
COMMERCIAL (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
COMMERCIAL (Blotting)—Joseph Parker & Son Co., 1155 Whaley Ave., New Haven 15, Conn.
CONTRA (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
CONTRACT (Bond, Cover, Ledger, Onion Skin)—American Writing Paper Corp., Holyoke, Mass.
COPYDEX (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
COPYRITE (Second Sheets)—Badger Paper Mills, Inc., Peshtigo, Wis.
CORKPAK (Tympan)—Corpak Co., 45 South St., Mt. Vernon, N.Y.
CORONA (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
★CORDWAIN (Cover)—Champion Paper & Fibre Co., Hamilton, Ohio
★CORRECT (Bond)—Aetna Paper Co., Dayton, Ohio
COSMOS (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
COUPON (Bond)—American Writing Paper Corp., Holyoke, Mass.
★COURIER—Strathmore Paper Co., West Springfield, Mass.
★COURT Linen (Ledger) Byron Weston Co., Main St., Dalton, Mass.
CRAFTSMEN (Mimeograph)—Standard Paper Mfg. Co., Richmond, Va.
CRANE'S (Bible, Bond)—Crane & Co., Inc., 30 South St., Dalton, Mass.
CREST (Ledger)—Parsons Paper Co., Holyoke, Mass.
CROBANK (Book, Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
CROCKER Day-Glo—Crocker-Burbank Paper Co., Inc., 545 Westminster St., Fitchburg, Mass.
★CROMWELL (Tympan)—Cromwell Paper Co., 4801 S. Whipple St., Chicago 32, Ill.
CUMBERLAND (Book, Bristol, Cover)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
CURL-CURL (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
CURRENCY (Cover)—Appleton Coated Paper Co., Appleton, Wis.
CURRENCY (Ledger)—Whiting Paper Co., Holyoke, Mass.
CUSTOM (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
CZAR (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

D

DAILY SALES (Book, Bristol, Cover, Onion Skin)—Chemical Paper Mfg. Co., Holyoke, Mass.
D'ARTAGNAN (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
DECOFOLD (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
★DEEPLAKE (Index, Post Card)—Hammermill Paper Co., Erie, Pa.
DEFENDUM (Ledger)—Parsons Paper Co., Holyoke, Mass.
★DEFIANCE (Ledger, Bond, Bristol)—Byron Weston Co., Main St., Dalton, Mass.
DEJONGE (Litho)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
DELIBLE (Bond, Onion Skin)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
DENSOR FIFTY (Bond)—Valley Paper Co., Holyoke, Mass.
DENSOR 25 (Bond, Onion Skin)—Valley Paper Co., Holyoke, Mass.
DEPENDABLE (Book)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
DERBY envelope—Western States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
DICTATION (Bond, Ledger, Onion Skin)—Fox River Paper Corp., Appleton, Wis.
DIRECT PROCESS (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
DISCO (Blotting, Box Covering, Cover)—District of Columbia Paper Mills, Inc., Potomac & K Sts., N.W., Washington 7, D.C.
DOCUMENT (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
DORCHESTER (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
★DOUBLE Deckle—Strathmore Paper Co., West Springfield, Mass.
★DREADNAUGHT (Bond, Bristol, Ledger)—Gilbert Paper Co., Menasha, Wis.
DREXEL (Announcement, Bristol, Cut Cards, Envelope, Wedding)—Linweave, 21 Cypress St., Springfield 2, Mass.
DRUMHEAD (Tympan)—Riegel Paper Corp., 342 Madison Ave., New York 17, N.Y.
DRY-Hesive (Adhesive Industrial Tapes)—Gummed Tape & Devices Co., 1318-20 60th St., Brooklyn 19, New York
★DUALITE (Second Sheets)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
DULBRITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N.Y.
★DULLOFOLD (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
DUNDEE (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
★DUO—Martin Cantine Co., Saugerties 1, N.Y.
DUOPAQUE (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
DUORUN (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
DUPLEXKOTE (Envelope)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
DUPLIKOTE (Bond, Duplicator)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
DURALITE (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
DURAMAIL (Envelopes)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
DURATAG (Board)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

E

EAGLE-A (Announcement, Translucent Bond, Writing)—American Writing Paper Corp., Holyoke, Mass.
EARLY AMERICAN (Announcement, Cover, Envelope, Text)—Linweave, 21 Cypress St., Springfield 2, Mass.
EATONIAN (Bond, Ledger)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.
★ECONOMY (Cover)—Kimberly-Clark Corp. Neenah, Wis.
EDGEMONT (Bond)—Parsons Paper Co., Holyoke, Mass.
EDGEWORTH (Onion Skin)—Valley Paper Co., Holyoke, Mass.
ELECTION (Bristol)—Appleton Coated Paper Co., Appleton, Wis.
EMPIRE (Book)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
EMPRESS (Book)—Appleton Coated Paper Co., Appleton, Wis.
★ENAMELINE (Book)— Mead Papers Inc., 118 W. First St., Dayton 2, Ohio
ENAMELED (Blotting)—Wrenn Paper Co., Middletown, Ohio
★ENERGY (Duplicator)—Kimberly-Clark Corp., Neenah, Wis.
ENGLISH (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
ENVELOCK Envelopes—Ames Safety Envelope Co., 21 Vine St., Somerville, Mass.
★ENVOY (Announcement, Wedding)—Strathmore Paper Co., West Springfield, Mass.
EQUATOR (Book, Bristol)—Sorg Paper Co., Middletown, Ohio
ESCORT (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
★ESOPUS (Bristol)—Martin Cantine Co., Saugerties 1, N.Y.
EXACT (Bond, Ledger)—Wausau Paper Mills, 111 W. Washington St., Chicago, Ill.
EXCHANGE (Safety)—George LaMonte & Son, Nutley 10, N. J.
EXPOSITION (Bond, Onion Skin)—Whiting Paper Co., Holyoke, Mass.

F

FABRATEX (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
FABRIC (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
★FAIRFIELD (Announcement, Text)—Strathmore Paper Co., West Springfield, Mass.
FAIRMOUNT (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
FALPACO (Coated Blanks)—Falulah Paper Co., Falulah Road, Fitchburg, Mass.
FEEDWELL (Bond, Ledger, Mimeograph)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
FENWAY (Litho)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
FETTO (Book)—Reading Glazed Paper Corp., Reading, Pa.
★FIBERFOLD (Bristol)—Wheelwright Papers, Inc., Leominster, Mass.
FIDELITY (Onion Skin)—Esleeck Mfg. Co., Turners Falls, Mass.
★FIESTA (Text)—Strathmore Paper Co., West Springfield, Mass.
FILMKOTE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
FINE-FLAX (Onion Skin)—Ecusta Paper Corp., Pisgah Forest, N. C.
FINE LETTER (Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
FINE-Weave—Whiting-Plover Paper Co., Stevens Point, Wis.
FITCHBURG (Box Lining, Envelope, Safety, Writing)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
★FLAT - AS - A - PANCAKE (Gummed Offset)—Brown-Bridge Mills, Inc., Troy, Ohio
FLAT WHITE (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N.Y.
FLAX-O-PAKE (Bible)—Ecusta Paper Corp., Pisgah Forest, N. C.
FLAXON (Bond)—D. M. Bare Paper Co., Roaring Spring, Pa.
FLEMISH (Book)—Tileston & Hollingsworth Co., 212 Congress St., Boston 7, Mass.
FOLDETTE (Book, Cover)—Watervliet Paper Co., Watervliet, Mich.
FOLDETTE (Post Card)—Watervliet Paper Co., Watervliet, Mich.
FORT ANCIENT (Bond, Ledger)—Harding-Jones Paper Co., Middletown, Ohio
FORTUNE (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
FORWARD (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
407 DOCUMENT (Tag)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
FRANCONIA (Bond, Ledger)—Parker-Young Co., 131 State St., Boston 9, Mass.
FRANKLIN (Blanks, Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
FRANKLIN (Bond)—George A. Whiting Paper Co., Menasha, Wis.
FRANKLIN CLASP (Env)—Western States Envelope Co., 1616 W. Pierce Street, Milwaukee 4, Wis.
★FRA-OPAQUE (Book)—Fraser, Ltd., 420 Lexington Ave., New York 17, N.Y.
FRENCH FOLIO (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.

G

★GABARDINE (Text)—Strathmore Paper Co., West Springfield, Mass.
GENERAL DEMAND (Kraft)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
GIBRALTOR (Onion Skin)—Millers Falls Paper Co., Mill Road, Millers Falls, Mass.
GLACIER (Bond)—Neenah Paper Co., Neenah, Wis.
GLAS-FIBRE (Gummed Filament (Reinforced) Tapes—Gummed Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N.Y.
GLEAMTONE (Bristol)—Linton Bros. & Co., 22 Rollstone St., Fitchburg, Mass.
GLEN (Board)—Riegel Paper Corp., 342 Madison Ave., New York 17, N.Y.
GLENDALE (Wedding)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
GLOSSETTE (Book)—Watervliet Paper Co., Watervliet, Mich.
GLOSS INK (Litho)—Watervliet Paper Co., Watervliet, Mich.
GLENBOURN (Text)—Hurlbut Paper Co., South Lee, Mass.
GLOSSTONE (Bristol, Cover)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
GLOW-TONE (Env)—Western State Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.

GOLD MEDAL (Duplicator)—Badger Paper Mills, Inc., Peshtigo, Wis.
GREEN CORE (Gummed Tape, Gummed Hollands)—Mid-States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill
GREYLOCK (Bond, Ledger)—L. L. Brown Paper Co., Adams, Mass.
GROTON (Tympan)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.
GUARDIAN (Bond, Bristol, Ledger)—Crocker-McElwain Co., Holyoke, Mass.
GUMCRAFT—(Bookbinder's Cloth Tapes) (Colored Gummed Tapes) (Corrugator's Gummed Box Tapes) (Gummed Box Stay Tapes) (Gummed Cambric Cloth) (Gummed Hollands) (Gummed Veneer Tapes) (Kraft Gummed Sealing Tapes) (Printed Cloth and Paper Tapes) Gummed Tape & Devices Company, 1318-20 60th St., Brooklyn 19, N.Y.

H

★HALFMOON (Bond)—Mohawk Paper Mill, Inc., 465 S. Saratoga St., Cohoes, N.Y.
★HAMILTON (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
★HAMILTON (Ledger, Mimeograph)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
★HAMMERMILL (Bond, Bond Envelope, Bristol, Cover, Duplicator, Offset, Safety, Translucent)—Hammermill Paper Co., Erie, Pa.
HARDIWEAR (Duplicator)—Ditto Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
HAWKEYE (Book)—Michigan Paper Co., Plainwell, Mich.
HAWTHORNE (Bond, Book, Ledger, Parchment, Onion Skin)—Hawthorne Paper Co., E. Michigan Ave., Kalamazoo, Mich.
★HEATHER (Bond)—Eastern Corporation, Bangor, Me.
HERCULEAN (Cover)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
HERCULITE (Book)—Crocker Burbank Paper, Inc., 545 Westminster St., Fitchburg, Mass.
HERITAGE (Bond)—Parsons Paper Co., Holyoke, Mass.
HERMES (Book)—Crocker Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
★HIFECT (Book)—Kimberly-Clark Corp., Neenah, Wis.
HIGH GLOSS (Blotting)—Albemarle Paper Mfg. Co., Richmond, Va.
★HIGHLIGHT (Bristol)—Wheelwright Papers, Inc., Leominster, Mass.
HILLCOURT (Bible, Book, Wedding)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
HILLCREST (Bible, Book, Litho)—Fitchburg Paper Co., 642 River St., Fitchburg, Mass.
HILLSDALE (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
HILLSIDE (Bond)—Harding-Jones Paper Co., Middletown, Ohio
HI-LUSTRE (Blotting)—Wrenn Paper Co., Middletown, Ohio
HISPEED (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
HOLLINGSWORTH (Die Wiping, Index, Tag, Tympan)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
★HOLMESDALE (Bond)—Byron Weston Co., Main St., Dalton, Mass.
HOMESPUN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
HONOR (Bond)—Carew Mfg. Co., Hadley Falls, Mass.
★HOWARD (Bond, Ledger, Mimeograph)—Howard Paper Co., Urbana, Ohio
HUDSON (Book, Litho)—International Paper Co., 220 E. 32nd St., New York 17, N.Y.
HURLBUT (Parchment)—Hurlbut Paper Co., South Lee, Mass.
HURON (Carbon Paper, Onion Skin, Waxed)—Port Huron Sulphite & Paper Co., Port Huron, Mich.

I

IAMA (Towels)—Central Paper Co., Inc., 2404 Lake Shore Drive, Muskegon, Mich.
★IDEAL (Litho)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
ILLUSTRATION (Bond)—Michigan Paper Company, Plainwell, Mich.
★ILLUSTRATION (Drawing)—Strathmore Paper Company, West Springfield, Mass.
★IMPERIAL (Uncoated Book)—Mead Papers Inc., 118 W. 1st St., Dayton 2, Ohio.
★IMPRESS—Strathmore Paper Co., West Springfield, Mass.
INDIAN (Blottings, Covers)—Rochester Paper Co., Rochester, Mich.
INDIAN HEAD (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N.Y.
INDOPAQUE (Bible)—Crane & Co., Inc., 30 South St., Dalton, Mass.
INDUSTRIAL (Cover, Waterproof)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
INSERT (Book)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
★INSPIRATION (Bond, Book, Envelope)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
INTERNATIONAL (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
INTERNATIONAL (Book, Duplicator)—International Paper Co., 220 E. 42nd St., New York 17
INTERWOVEN (Cover)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.
INTRALACE (Text)—Rising Paper Co., Park St., Housatonic, Mass.
★INVENTORY (Bristol)—Champion Paper & Fibre Co., Hamilton, Ohio
★IONIC (Blanks, Bristol, Showcard)—Wheelwright Papers, Inc., Leominster, Mass.
IRON TAG (Manila Tag)—Hollingsworth & Vose Co., 112 Washington St., East Walpole 1, Mass.

J

JAMES RIVER (Bond, Bristol, Wedding)—Standard Paper Mfg. Co., Richmond, Va.
JEFFERSON (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
JESMORE (Book)—Jessup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
JEWELRY (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
JOURNEYMAN'S (Book)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.

K

K SPECIAL (Envelope)—Chillicothe Paper Co., Chillicothe, Ohio
KENMORE (Book, Mimeograph)—Jessup & Moore Paper Co., 16 S. Broad St., Philadelphia 2, Pa.
KENSINGTON (Envelopes)—The American Paper Goods Co., Kensington, Conn.
KENTONE (Book, Mimeograph)—Jessup & Moore Paper Co., 16 Broad St., Philadelphia 2, Pa.
★KILMORY (Cover, Text)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
★KIMFECT LEVELCOAT (Book)—Kimberly-Clark Corp., Neenah, Wis.
★KIMRAY (Book)—Kimberly-Clark Corp., Neenah, Wis.
KLO-KAY (Bond, Bristol, Mimeograph, Post Card)—Northwest Paper Co., Cloquet, Minn.
★KROMKOTE (Cast-coat Book)—Champion Paper and Fibre Co., Hamilton, Ohio
★KROMKOTE (Cast-coat Book)—Champion Paper & Fibre Co., Middletown, Ohio
KROYDEN (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
★KRYSTAL KLEAR (Envelopes)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
K.V.P. (Bond, Book)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.

L

LACONIA (Bond)—Parsons Paper Co., Holyoke, Mass.
LAIDSTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
L'AIGLON (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
★LAKELAND (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
LAMONTE (Safety)—George LaMonte & Son, Nutley 10, N. J.
LAUREL (Cut Cards) Old Colony Envelope Co., Westfield, Mass.
LEATHERCRAFT (Cover)—Holyoke Card & Paper Co., Fiske Ave., Springfield 7, Mass.
LEATHERET (Cover)—Riegel Paper Corp., 342 Madison Ave., New York 17, N.Y.
LEATHERETTE (Book)—Michigan Paper Co., Plainwell, Mich.
LEATHER-GLO (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
★LEATHERIGHT (Cover)—Wheelwright Papers, Inc., Leominster, Mass.
LEATHEROID (Cover)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
LEGHORN (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
★LENOX (Index, Ledger)—Byron Weston, Main St., Dalton, Mass.
LEONARDO (Text)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
★LEXICON (Book, Text)—Champion Paper & Fibre Co., Hamilton, Ohio
LIBRARIAN (Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
LIFLAT (Gummed Cloth and Paper)—Gummed Tape and Devices Co., 1318-20 60th St., Brooklyn 19, N.Y.
LINETONE—Linton Brothers Co., 22 Rollstone St., Fitchburg, Mass.
LINE MARQUE (Writing)—Rising Paper Co., Park St., Housatonic, Mass.
LONGRUN (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
LINOTONE (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
LINWEAVE (Announcement, Bristol, Cut Cards, Cover, Envelope, Social Stationery, Text, Wedding, Writing)—Linweave, 21 Cypress St., Springfield 2, Mass.
★LITHOFECT (Book)—Kimberly-Clark Corp., Neenah, Wis.
★LITHOGLOSS (Litho)—Martin Cantine Co., Saugerties 1, N.Y.
★LITHOPRINT (Litho)—Champion Paper & Fibre Co., Hamilton, Ohio
LITHOTINT (Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
LITHOTONE (Blotting)—Joseph Parker & Son Co., 1155 Whalley Ave., New Haven 15, Conn.
LODESTONE (Cover)—Hampden Glazed Paper & Card Co., Holyoke, Mass.
LOGAN (Book)—Chillicothe Paper Co., Chillicothe, Ohio
LOIS (Wedding)—Whiting Paper Co., Holyoke, Mass.
LOUISE (Announcements)—Old Colony Envelope Co., 94 North Elm St., Westfield, Mass.
LYNFLAX PARCHMENT (Bond)—Brightwater Paper Co., 115 Howland Ave., Adams, Mass.

M

★MACHINE POSTING (Index, Bristol, Ledger)—Byron Weston Co., Main St., Dalton, Mass.
★MADE(W)RIGHT (Bristol, Showcard)—Wheelwright Papers, Inc., Leominster, Mass.
MAGAZINE (Book)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
★MAINEFOLD (Book, Cover)—Oxford Paper Co., 230 Park Ave., New York 17, N.Y.
★MANAGEMENT (Bond)—Hammermill Paper Co., Erie, Pa
MANDO (Envelope, Kraft, Wrapping)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6
★MANIFEST (Bond, Duplicator, Ledger, Mimeograph)—Eastern Corporation, Bangor, Me.
MARCO (Cover) Marvellum Co., Appleton St., Holyoke, Mass.
MARYLN (Announcements)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
MARVELHIDE (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
MARVELLEATHER (Cover)—Marvellum Co., Appleton St., Holyoke, Mass.
★MAXOPAQUE (Cover)—Aetna Paper Co., Dayton, Ohio
★MAXWELL (Bond, Book)—Maxwell Paper Co., Franklin, Ohio
★M. C. (Book)—Martin Cantine Co., Saugerties 1, N.Y.
★MEAD (Bond, Ledger, Mimeograph, Duplicator)—Mead Sales Co., Inc., 118 W. 1st St., Dayton 2, Ohio
MECHANO FORM (Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
MEDIA (Onion Skin)—Brownville Paper Co., Brownville, N.Y.
★MERIT (Bond) Index—Byron Weston Co., Main St., Dalton, Mass.
MERRILL (Bond, Mimeograph)—Ward Paper Co., Merill, Wis.
METACOL (Gold and Silver Gummed Tapes)—Gummed Tape and Devices Co., 1318-20 60th St., Brooklyn 19, N.Y.
★METER (Meter, for Charts)—Hammermill Paper Co., Erie, Pa.
METTAPAN (Bristol)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
MIAMI (Board, Book, Box Covering, Bristol, Cover, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
MIAMITINT (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
MIAMITONE (Book, Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
MICHIGAN (Book, Onion Skin)—Michigan Paper Co., Plainwell, Mich.
MIKADO (Vellum)—Knowlton Brothers, 213 Factory St., Watertown, N.Y.
MIDDLETOWN (Post Card)—Sorg Paper Co., Middletown, Ohio
MILLBROOK (Bond)—Keith Paper Co., Turners Falls, Mass.
MILLERS FALLS (Onion Skin)—Millers Falls Paper Co., Millers Falls, Mass.
MIMEO SCRIPT (Mimeograph)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
MINGO (Bond, Writing)—Chillicothe Paper Co., Chillicothe, Ohio
MINNONT (Book, Rotogravure and Gravure)—Minnesota & Ontario Paper Co., 205 W. Wacker Drive, Chicago 6, Ill.
MIRADOR (Onion Skin)—C. A. Hubbard Paper Co., Box 586, Kalamazoo 99, Mich.
MITSCHFIBRE (Wrapping)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
MOBILE (Tag)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
★MODERN GLOSS (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
★MOHAWK (Bristol, Cover, Duplicator, Envelope, Mimeograph, School Construction Paper, Union Watermarked)—Mohawk Paper Mills, Inc., 465 Saratoga St., Cohoes, N.Y.
★MOISTRITE (Bond, Book, Ledger, Duplicator, Mimeograph)—Mead Papers, Inc., 118 W. 1st St., Dayton 2, Ohio
MONARCH (Litho)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
★MONO OUTLOOK (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
MONOPLANE (Bond)—P. H. Glatfelter Co., Spring Grove, Pa.
MOQUIN (Manila)—Hollingsworth & Whitney Co., 60 Battery March St., Boston 2, Mass.
MONTAGUE (Poster Print)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
MOROCCO (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N.Y.
MOSAIC (Blotting)—Wrenn Paper Co., Middletown, Ohio
MOULD MADE (Cover)—Hurlbut Paper Co., South Lee, Mass.
MOUNTIE (Book, Litho, Text)—Northwest Paper Co., Cloquet, Minn.
MOUNT VERNON (Text)—Hawthorne Paper Co., E. Michigan St., Kalamazoo, Mich.
MOZART (Announcements)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
M. P. C. (Book)—Michigan Paper Co., Plainwell, Mich.
★MULTIFECT (Book)—Kimberly-Clark Corp., Neenah, Wis.
MULTYKOLOR (Book)—Dill & Collins, Inc., 230 Park Ave., New York 17, N.Y.
MUSKEGON (Onion Skin)—Central Paper Co., 2404 Lake Shore Drive, Muskegon, Mich.
MUTUAL (Bond, Mimeograph, Onion Skin)—Whiting Paper Co., Holyoke, Mass.
MYRIAD (Onion Skin)—Chemical Paper Mfg. Co., Foot of Jackson St., Holyoke, Mass.

N

NCR Carbonless Copy Paper—National Cash Register Co., Main & K Sts., Dayton 9, Ohio
★NAMELO (Book)—Champion Paper & Fibre Co., Hamilton, Ohio
NATIONAL (Post Card)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
NATIONAL (Bond)—Harding-Jones Paper Co., Middletown, Ohio
NATIONAL (Safety)—George LaMonte & Son, Nutley 10, N. J.
★NAVAJO (Bond, Cover, Ledger)—Mohawk Paper Mills, Inc., 465 S. Saratoga St., Cohoes, N.Y.
NEENAH (Bond, Bristol, Ledger, Onion Skin)—Neenah Paper Company, Neenah, Wis.
★NEKOOSA (Bond, Duplicator, Ledger, Mimeograph, Writing)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
★NEKOOS-O-PAKE (Bond)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
★NEPCO (Waxed, Wrapping)—Nekoosa-Edwards Paper Co., Port Edwards, Wis.
NEPTUNE (Cover)—Knowlton Brothers, 213 Factory St., Watertown, N.Y.
NEW ENGLAND (Book, Bristol)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
NO-COAT GLOSS (Book)—Tileston & Hollingsworth Co., 213 Congress St., Boston 7, Mass.
★NORSE (Envelope)—U. S. Envelope Co., 21 Cypress St., Springfield 2, Mass.
★NORTH STAR (Book)—Oxford Paper Co., 230 Park Ave., New York 17, N.Y.
NORTH STAR (Book)—Northwest Paper Co., Cloquet, Minn.
NORTHWEST (Bond, Mimeograph)—Northwest Paper Co., Cloquet, Minn.
NU-ART (Blotting)—Standard Paper Co., Richmond, Va.
NUGGETT (Cover)—United Mfg. Co., 168 Birnie Ave., Springfield 7, Mass.
NYPEN (Book, Litho)—New York & Pennsylvania Co., Lock Haven, Pa.

O

OAK LEAF (Chalk Overlay)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
OCECO (Envelopes)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
OLD BADGER (Bond, Ledger)—Fox River Paper Corp., Appleton, Wis.
OLD COLONY (Announcements, Envelopes)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
OLD COUNCIL TREE (Bond, Onion Skin)—Neenah Paper Co., Neenah, Wis.
OLD HAMPDEN (Bond)—Parsons Paper Co., Holyoke, Mass.
★OLD HAMPSHIRE (Bond)—Byron Weston Co., Main St., Dalton, Mass.
OLD SPANISH (Check)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22, Pa.
OLD TAVERN (Cover)—McLaurin-Jones Co., 744 Philip Ave., Brookfield, Mass.
★OLD TREATY (Bond)—W. C. Hamilton & Sons, Miquon, Montgomery County, Pa.
OLDE STYLE (Book)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
★OLYMPIC (Bristol)—Wheelwright Papers, Inc., 230 Park Ave., New York 17, N.Y.
OPACITONE (Book)—Chillicothe Paper Co., Chillicothe, Ohio
ORGANDIE (Wedding)—Whiting Paper Co., Holyoke, Mass.
OTIS (Bristol)—International Paper Co., 220 E. 42nd St., New York 17, N.Y.
OTSEGO (Blanks)—Allied Paper Mills, 1608 Lake St., Kalamazoo 99, Mich.
OVERPRINT MULTI-SERVICE (Litho)—S. D. Warren Co., 89 Broad St., Boston 1, Mass.
★OXFORD (Book, Litho)—Oxford Paper Co., 230 Park Ave., New York 17, N.Y.

P

PADLOCK (Safety)—Perfect Safety Paper Co., 299 Kingsland Rd., Nutley 10, N. J.
PAPEROLAS (Glassine)—Westfield River Paper Co., Inc., Russell, Mass.
★PAPETERIE (Bristol)—Strathmore Paper Co., West Springfield, Mass.
★PARAGON (Duplicator)—Kimberly-Clark Corp., Neenah, Wis.
PARAMOUNT (Carbon)—Frye Mfg. Co., 301 University Ave., Des Moines 4, Iowa
PARATEX (Book)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
PARCHKIN (Parchment)—Paterson Parchment Paper Co., Bristol, Pa.
PARCHMENTONE (Book, Cover)—A. M. Collins Mfg. Co., 226 W. Columbia Ave., Philadelphia 22
PARKER'S (Blotting, Stereotype)—Joseph Parker & Son, 1155 Whaley Ave., New Haven 15, Conn.
PARKWORTH (Bond)—Parker-Young Co., 131 State St., Boston 9, Mass.
PARSONS (Bond, Bristol, Ledger)—Parsons Paper Co., Holyoke, Mass.
★PASTELLE (Text)—Strathmore Paper Co., West Springfield, Mass.
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★PENINK (Mimeograph)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
PENINSULAR (Bristol, Cover, Litho)—Peninsular Paper Co., Ypsilanti, Mich.
PENNSYLVANIA (Bond, Book)—P. H. Glatfelter Co., Spring Grove, Pa.
PENORTYPE (Duplicator)—Ditto, Inc., Harrison at Oakley Blvd., Chicago 12, Ill.
PERFECT (Safety)—Perfect Safety Paper Co., 299 Kingsland Rd., Nutley 10, N. J.
★PERFECTION (Decalcomania, Die Wipers, Gummed Label, Gummed Offset, Morsegraph)—Paper Manufacturers Co., Fifth & Willow Sts., Philadelphia 23, Pa.
PERMANIZED (Bond, Ledger, Parchment, Onion Skin, Writing)—Whiting-Plover Paper Co., Stevens Point, Wis.
PERVENAC (Heat Seal Label)—Nashua Corp., 44 Franklin St., Nashua, N. H.
PHELPS (Safety)—Perfect Safety Paper Co., 299 Kingsland Rd., Nutley 10, N. J.
★PIEDMONT (Book)—West Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
★PILGRIM (Wedding)—Eastern Corporation, Bangor, Me.
PLASTICLEER (Env)—Western States Env. Co., 1616 Pierce St., Milwaukee 4, Wis.
PILGRIM (Book)—Crocker, Burbank Papers, Inc., 545 Westminster St., Fitchburg, Mass.
PLASTICLEER (Env)—Western States Env. Co., 1616 Pierce St., Milwaukee 4, Wis.
★PLATEX (Text)—Strathmore Paper Co., West Springfield, Mass.
PLATINUM (Announcement)—Rising Paper Co., Park St., Housatonic, Mass.
PLOVER (Bond, Ledger, Letter, Onion Skin, Opaque, Translucent Master)—Whiting-Plover Paper Co., Stevens Point, Wis.
POLYCHROME (Book)—Appleton Coated Paper Co., Appleton, Wis.
PORCELAIN (Blotting, Book)—Wrenn Paper Company, Middletown, Ohio
★PORCELAIN (Bristol)—Strathmore Paper Co., West Springfield, Mass.
PORTHOS (Cover)—United Mfg. Co., 108 Birnie Ave., Springfield 7, Mass.
PORT HURON (Cover)—Port Huron Sulphite & Paper Co., Port Huron, Mich.
PRECISION (Tympan)—Seaman Paper Co., 1858 W. Hubbard St., Chicago 22, Ill.
PRESS-READY (Commercial and Official Envelopes)—Old Colony Envelope Co., 94 N. Elm St., Westfield, Mass.
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PRINTCRAFT (Waterproof)—Detroit Sulphite Pulp & Paper Co., 9125 W. Jefferson Ave., Detroit 17, Mich.
PRINTFLEX (Book, Cover)—Dill & Collins, Inc., 230 Park Ave., New York 17, N.Y.
PRINT-STIK—Topflight Tape Co., 160 E. 9th Ave., York, Pa.
PRISMATIC (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
★PROCESS PLATE (Book)—Mead Papers, Inc., 118 W. First St., Dayton 2, Ohio
★PRODUCTION GLOSS (Book)—Consolidated Water Power & Paper Co., Wisconsin Rapids, Wis.
PROSPERITY (Book)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.
PROVENWORTH (Duplicator)—P. H. Glatfelter Co., Spring Grove, Pa.
PUBLICATION (Litho)—Miami Valley Coated Paper Co., Oxford Road, Franklin, Ohio
PURE LINEN (Writing)—Whiting Paper Co., Holyoke, Mass.

Q

QUALITY, EAGLE A (Bond, Duplicator, Ledger, Mimeograph, Onion Skin)—American Writing Paper Corp., 9 Main St., Holyoke, Mass.
QUEEN (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.

R

RAMNEY (Announcement, Cover, Envelope, Text)—Linweave, 21 Cypress St., Springfield 2, Mass.
RAPIER (Onion Skin)—Brownville Paper Co., Brownville, N.Y.
RA-SILK (Onion Skin)—Kalamazoo Vegetable Parchment Co., Kalamazoo 99, Mich.
RAVELSTONE (Bond, Ledger)—Keith Paper Co., Turners Falls, Mass.
RAYON (Book)—Miami Valley Coated Paper Co., Oxford Rd., Franklin, Ohio
REALLY FLAT (Gummed Label, Gummed Offset)—Mid States Gummed Paper Co., 2515 S. Damen Ave., Chicago 8, Ill.
RECORD (Ledger)—Whiting Paper Co., Holyoke, Mass.
RECORD (Blotting)—Wrenn Paper Co., Middletown, Ohio
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RELAY (Onion Skin)—Valley Paper Co., Holyoke, Mass.
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★RICHFOLD (Coated Book)—Mead Papers, Inc., 118 W. First St., Dayton 2, Ohio
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RIEGEL'S (Board, Bristol, Manila, Waxed)—Riegel Paper Corp., 342 Madison Ave., New York 17, N.Y.
RIVERDALE (Cover) American Writing Paper Corp., 9 Main St., Holyoke, Mass.
RIVERSIDE (Bristol)—Franklin Paper Co., Third Level Canal, Holyoke, Mass.
ROLLSTONE (Bristol)—Linton Bros. Co., 22 Rollstone St., Fitchburg, Mass.
ROPTEX (Env)—Western States Envelope Co., 1616 W. Pierce St., Milwaukee 4, Wis.
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ROYAL (Book, Bristol, Cover)—Watervliet Paper Co., Watervliet, Mich.
ROYAL WORCHESTER (Blotting)—Standard Paper Mfg. Co., Richmond, Va.
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S

SAFETY (Check, Bank Note, Safety)—George LaMonte & Son, Nutley 10, N. J.
SAFETY (Bristol)—Perfect Safety Paper Co., 102 Winter St., Holyoke, Mass.
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T

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V

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W

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Z

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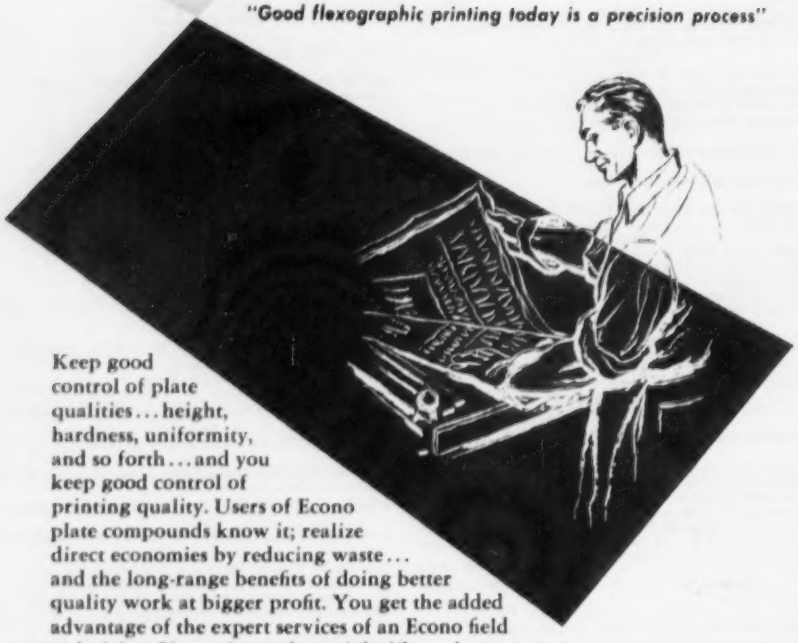

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WEST Disinfecting Co., 42-16 West St., Long Island City 1, N.Y.
In all principal cities throughout the U. S. and Canada

★WEST Virginia Pulp & Paper Co., 230 Park Ave., New York 17, N.Y.
Branch Sales Offices:
Chicago 1, Ill.—35 E. Wacker Drive
Philadelphia 6, Pa.—Public Ledger Bldg.
San Francisco 5, Calif.—503 Market St.

WHITING Paper Company, Holyoke, Mass.

WILD & Stevens, 45 Industrial Place, Newton Upper Falls, Mass.
Branch:
West Haven, Conn.—234 Front St.

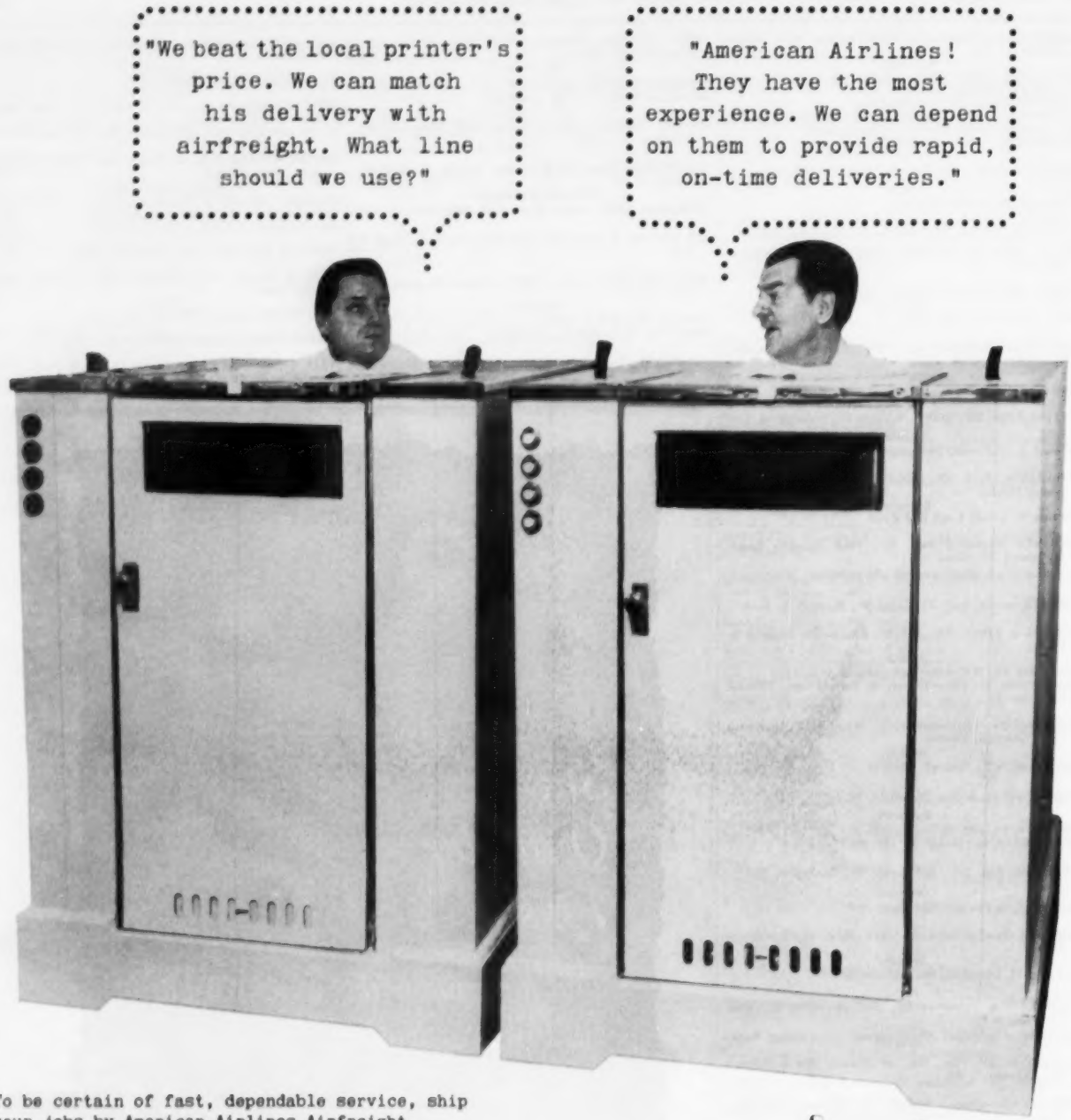
WRENN Paper Company, Middletown, Ohio

YALE & Towne Mfg. Co., 11,000 Roosevelt Blvd., Philadelphia 15, Pa.

Precision TRADE ★ MARK Parts

BRANCH: 1127 BROADWAY, KANSAS CITY, MO.
AGENCIES: CHICAGO · MINNEAPOLIS
LOS ANGELES · DENVER · BOSTON
CANADA: MARS LTD. and Agents Overseas

LINOTYPE PARTS Company, inc.
SOUTH HACKENSACK, N. J.



To be certain of fast, dependable service, ship your jobs by American Airlines Airfreight. The most experienced airfreight carrier, American also leads all other airlines in:

CAPACITY – with the largest cargo capacity, American has space where it's needed, when it's needed.

COVERAGE – with routes to more key cities than any other airline, American is able to provide the most direct one-carrier service.

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AMERICAN AIRLINES AIRFREIGHT

- carries more airfreight than any other airline in the world

★ *Here are printers' helps... available to you at no cost*

1 Here's inspiration for better presswork. Kimberly-Clark has three giant broadsides that show what you can do on Prentice Offset, Crandon Enamel, and Trufect Coated.

2 Revamping your plant layout? Hamilton Mfg. Co. offers a Plant Layout Kit that will make the job easy, and a book of efficient composing room floor plan layouts.

3 To help you in ordering chemicals, oils and solvents for your shop, Harry H. Rogers Co. has a folder listing everything from from roller cleaners to sweeping compound.

4 Kleen-Stik's "Idea Kit" is packed with examples of labels, two-way window signs, bumper strips, and price tags, all finished with self-sticking, moistureless adhesive.

5 In a fog about gray contact screens? Caprock Development Co. has issued a data sheet with hints for making negatives and color separations, plus a new price list.

6 No need to worry about dampness in your storeroom or pressroom. Ask for Walton Laboratories' booklet, "The Importance of Humidification for the Graphic Arts."

7 Here's help in choosing the right paper stock for each job: the Oxford Paper Selector Chart and the Oxford Paper Cost Calculator will give you the right answers.

8 If your composing room is always short of leads and slugs, you'll want Universal Mono-Tabular's folder describing its versatile Universal Strip Caster.

9 "Bigger profits are no pipe dream" according to Heidelberg Eastern, and a colorful folder tells how the Original Heidelberg press may bring more profits your way.

10 The "320 Manual of Operation" from Robertson Photo-Mechanix gives instructions for the 320 camera plus hints that will be helpful to camera operators everywhere.

11 Gilbert Paper's newest "Letterheads of the Year" features 16 letterpress designs selected by noted judges as inspirations for designs to sell your customers.

12 "Letterhead Ornaments from the Type Case" is offered by Hammermill Paper Co. to give you ideas for dressing up letterheads with material you have at your fingertips.

13 Another entry in the "-rama" trend is "Numberama," a pocket portfolio produced by American Numbering Machine Co. to show its complete line of numbering devices.

14 Having gummed paper troubles? You may find the answer in a specimen sheet of Dennison No. 471 stock and a folder describing the Dennison 8700 line of specialty gumming.

15 This may be the answer to handling your label jobs economically: a four-page folder from Printing Engineers tells all about the H. Hilmer photocomposing machine.

16 "The quadder with the memory system and push-button controls"—that's the way Linotype Parts Co. describes its Star Selectro-Matic quadder in an eight-page booklet.

17 If production in your bindery department needs a boost, check the data sheet produced by Southworth Machine Co. to give complete information on its power punch.

18 For the business forms printer, Didde-Glaser, Inc., has prepared a folder and data sheets giving all the performance information about the Speed-Klect collator.

19 Some of the handsome work you can produce on Cellufold Enamel is suggested in a portfolio offered for your paper stock files by St. Regis Paper Co.

20 If you or some of your customers sell by mail, you'll find a checklist for rating sales letters in Mead Papers' new booklet, "The Mead Letter Evaluator."

21 "Want to Make a Better Impression?" Western Printing Machinery asks this question, and answers it, in a four-page folder describing the WPM honeycomb cylinder.

22 Millers Falls Paper Co. has designed a portfolio to show you samples of Opaque Parchment and to let you run a simple test to check the advantages of the stock.

23 Miller Printing Machinery will send you a new portfolio demonstrating the versatility of the Miller-MAN Poly-Automat press in handling many different jobs.

24 Let your customers know you're still around! Oren Arbogast Co. will send samples of "Notebook of a Printer" that you can send to customers under your own imprint.

25 Storage cabinets for plates, artwork, and galleys make shop work easier. They're all in a special catalog, No. 25, that you can get from Foster Manufacturing Co.

26 "Precision Engineered Machinery" for processing paper, film, and foil, a complete line of specialty machines, is in a catalog available from Hudson-Sharp.

27 Some of the most useful types are the gothics, and you can see some versatile designs in a new Mergenthaler Linotype specimen booklet for your typographic file.

28 For offset printers, St. Regis has prepared four folders showing the printing qualities of Celluset Offset, Cellugloss Enamel, and Rocket and Sunbeam Offset.

This offer expires July 1, 1956

THE INLAND PRINTER, 79 W. Monroe Street, Chicago 3, Ill.

Please send me, without cost or obligation, material described under the key numbers I have circled below:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69

My Name_____ Title or position_____

Company _____

Street _____ City_____ State_____

SIZE OF OUR PLANT IS: ☐ 1 to 9 employees ☐ 10 to 49 employees ☐ 50 or more employees

OUR COMPANY DOES: ☐ Letterpress printing ☐ Offset ☐ Newspaper Publishing

☐ Rubber plate ☐ Silk Screen ☐ Composition ☐ Engraving ☐ Litho platemaking

29 You can make your own cutting dies, and J. A. Richards Co. offers a folder (die-cut, appropriately) that illustrates and describes all the equipment you'll need.

30 "Ions and Images" describes an unusual system of control measures employed by Harris-Seybold to protect you against variations in offset plates and chemicals.

31 "Some Reasons Why Printers Prefer Ludlow" gives the lowdown on the Ludlow system of composition and tells how it can pay dividends in your composing room.

32 The complete story of papermaking, "From Trees to Printing Presses," is told in words and pictures in a 24-page book prepared by Kimberly-Clark Corp. for you.

33 "Printing That Looks Like Dollars"—printing on Hammermill safety papers—is a portfolio showing many ideas for printing jobs that can make dollars for you.

34 "How to Help Salesmen Sell More" is a portfolio that can aid you or your customers. It's packed with stimulating sales letters and good letterheads on Mead Bond.

35 "The Best Display Machines Ever Made" is the way a folder describes Linotype's Rangemaster Mixer Models 35 and 36; all details are given in this folder for you.

36 Brown-Bridge Mills has a gummed paper demonstrator showing fine examples of offset and letterpress work, and an "Idea Book" to give you hints for more business.

37 A file kit of ideas for jobs on Fasson self-adhesive papers—jobs that you can sell to your customers—is yours for the asking from Avery Paper Co.

38 To help you get better performance from your cutting machines, Harris-Seybold offers a 24-page booklet on how to choose, use and care for your paper-cutting knives.

39 Some basic facts you ought to know about gummed paper are given straightforward treatment in "Why Gummed Paper Lies Flat," produced for you by Paper Manufacturers Co.

40 Better inking means better printing, more profits. Wm. Gegenheimer Co. has a folder that tells how the Baldwin fountain agitator can improve presswork in your shop.

41 Here's more help for the binderyman: Nygren-Dahly has three folders describing high-production machines—rotary perforators, paper drills, and power punches.

42 No matter what your customers need in the way of envelopes, you can probably find it in the complete catalog and price list No. 57 from Northern States Envelope Co.

43 To make the best plates, you need the best lighting, and Nu-Arc offers Bulletin 600-A describing its new line of Hi-Lite automatically controlled arc lamps.

44 "Smooth, fast action" is the way C. B. Nelson Co. describes its Cost-Cutter saws for the composing room. A colorful folder gives you all the specifications.

45 For color spots to dress up that "ordinary" job, you can make your own plates easily and quickly. Ti-Pi Co. booklet, "Open the Door to Profits," tells how to do it.

46 Here's a book every pressman should have. It's "Rotary Numbering Heads—Operating and Maintenance Procedures," and Wm. A. Force & Co. offers it to you free.

47 And for the offset pressman who's bothered with stripping and glazing of ink rollers, J. C. Paul & Co. has a data sheet telling how Burnishine Putz Pomade can avoid this.

48 Trouble-free press and folder operation demands a reliable air supply, and Gast Mfg. Co. shows a complete line of compressors and vacuum pumps in catalog No. 555.

49 More sales ideas, and these on Woodbine Duplex Enamel, colored differently on each side, are in a big portfolio available free to you from Appleton Coated Paper Co.

50 Interested in business forms production? Then Western Gear Corp. will send you a folder describing the complete line of Speed-Flex rotary printing equipment.

51 If you're in a haze about humidity, you can get all the facts about humidity control in a ten-page data book from Bahnson Co. that's packed with useful information.

52 And here, in a handy file-size booklet, is a complete catalog from Litho Chemical & Supply Co. that lists just about everything you need for platemaking and presswork.

53 You can get the facts, too, on Teletypesetter: "What It Is, What It Does, How It Can Save You Money" is the title of a booklet from Teletypesetter Corp.

54 The latest issue of *Northwest News* from Northwest Paper Co. has samples of new papers from this mill, and "The Manufacture of Paper" tells how it was made.

55 The day of the "tramp printer" may be gone, but if you still feel the urge to move on, ask for a copy of the job-hunting booklet produced by Graphic Arts Employment Service.

56 For your typographic file, "Alphabets and Character Showings of 187 Intertype Faces" offers a comprehensive sampling of many utilitarian designs you'll find useful.

57 Dry spray vs. wet spray is a favorite topic with pressmen. No matter which you prefer now, you should ask for the H & H Products data sheet on the H & H Dryspray Way.

58 Another aid to pressmen is literature from Simco Co. describing its line of static eliminators, telling how static originates, and offering helpful hints for you.

59 Samples of more than 60 grades and colors of gummed paper, as well as general information, are in the file-folder sample book from Mid-States Gummed Paper Co.

60 For the silk screen printer, General Research & Supply has prepared fact-packed data sheets on the General screen process press and the new Thermo-Jet Dryer.

61 "What Ink Offset Prevention Does" is only one of three booklets that Oxy-Dry Sprayer Corp. has prepared to help you in curing offset and static problems on your presses.

62 "Tips on the Care of Your Intertype" is a booklet that every Intertype operator should have. It tells how to prevent damage and add years to the life of your machines.

63 From Armour & Co. comes bulletin No. E-5004 to tell you about Armopad resin padding adhesive, and No. D-4004, describing Flexglue, a permanently flexible bindery glue.

64 For tough washup problems in the pressroom and composing room, Chalmers Chemical Co. recommends its Phenoid type cleaner and will send a pamphlet telling all about it.

65 There's extra profit in office supplies, and G. J. Aigner Co. has a fact sheet describing its complete line of special index file guides to offer your customers.

66 "You can't read this folder without finding at least three ways to help your business with envelopes," says U. S. Envelope Co. It's something worth looking into.

67 "Makeready Made Easy for Cutting and Creasing" will give you practical tips to reduce setup time on your presses. Accurate Steel Rule Die Mfrs. offers the folder to you.

68 Paper ruling presents no problems if you have the right equipment for the job. John McAdams & Sons offers catalog DR-49 to describe its line of disc ruling machines.

69 "The world's most versatile copying process" is the way Haloid Co. describes xerography. An eight-page folder tells you about the process and all of the Haloid equipment.

AFFIX
STAMP
HERE

THE INLAND PRINTER
79 West Monroe Street
Chicago 3, Illinois

NOW YOU CAN DO

hundreds of different printing jobs

CONTINUOUS FORMS

COMMERCIAL PRINTING

ALL TYPES OF TAGS

ALL TYPES OF TICKETS

ONE-TIME CARBON SETS

ALL TYPES OF NOVELTIES

ALL TYPES OF LABELS

with the NEW ERA

FLAT-BED LETTERPRESS

It's truly amazing to see! The New Era web-fed, flat-bed letterpress and auxiliary units turn out *hundreds* of different types of printing jobs . . . producing each job as if the press was specially designed for only that job. What's more, change-over from one job to another and makeready are so fast and easy that it's a printer's dream. These hundreds of jobs can be produced at 7,500 impressions per hour in *any number of colors* on one or both sides in a *single run*—with *flat* electros, type, rubber or plastic plates. There's no limit to size as with a rotary press. And the New Era press handles paper, board, silk, cotton, and other materials.

COMPLETES FINISHING DURING PRINTING RUN

At the same time that it prints, the New Era Press punches, die-cuts, slits, patches reinforcements, eyelets, perforates, and numbers—with the finished product completed in one operation and delivered cut-off, rewound, or zig-zag folded. See for yourself. Write on your letterhead for your free copy of the New Era Bulletin today.

NEW ERA

MANUFACTURING COMPANY

376 Eleventh Avenue, Paterson, N.J.

ALUMINUM

POLYSTYRENE
(the rigid types)

CELOLUSTRE TREATED BOARD

SILICONE-COATED GLASS

TIN

GALVANIZED IRON

PHENOL FORMALDEHYDE

PARCHMENT

New Dennison 8700 gumming

... sticks* to all these hard-to-label surfaces

COPPER

LEAD

ZINC

PAINTED SURFACES

BRASS

LACQUERED SURFACES

VARNISHED SURFACES

VULCANIZED RUBBER

STAINLESS STEEL

No other gumming will stick to so many surfaces as new Dennison 8700 Gumming — and do it with such efficiency and economy. Here's the quick tack and strong adhesion you need . . . on air-conditioned label stock.

Dennison new 8700 gumming has high blocking resistance. It resists curling over a wide range of relative humidity. It presents no aging problem — is non-toxic and non-allergic. Labels can be printed with regular inks.

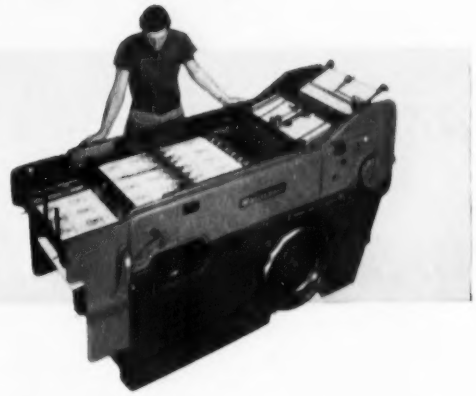
Dennison 8700 Gumming is available on a high finish, white coated sheet, Number 8756, or on glossy finish super-calendered stock, Number 8716½.

**Subject to test under actual conditions.*

Dennison offers a complete line of gummed papers: White and Colored Label Papers — Heat Seal Papers — Pyroxylin Metallics — Kromekote® Gummed Papers — Day-Glo® Gummed Papers — Silkote® Gummed Offset — and Gummed Hollands.

Dennison
GUMMED PAPER DIVISION
Framingham, Massachusetts

want to increase your letterpress profits?



send for KEY PRODUCTION FACTS

With the right combination of equipment, you can make your letterpress operations more profitable. You can produce present jobs faster and at lower cost, and possibly expand your service to include types of work your customers may now be buying elsewhere.

KEY PRODUCTION FACTS TELLS YOU "HOW TO"

Key Production Facts shows you how you can compete successfully with any printer in the country on all types of work within the 12" x 18" size range. It tells you how to do the jobs that bring in extra profits—the jobs that lift you out of the highly competitive "ordinary" class. It also shows you ways to produce "run-of-the-hook" jobs faster and cheaper.

Among the specific profit-producing ideas covered in *Key Production Facts* are these:

- How to do overprint varnishing
- How to print with gloss inks
- How to get best results with metallic inks
- How to increase your share of the business forms market
- How to do die-cutting and creasing
- How to speed imprinting and numbering

This booklet contains a wealth of information—charts, diagrams, photographs, and actual work samples. The complete series is yours for the asking, without obligation. A file folder for them is included. For your free set, fill out and mail the coupon below.

BETTER, MORE PROFITABLE PRINTING FROM THE WIDEST LINE OF EQUIPMENT

ATF

3498

AMERICAN TYPE FOUNDERS
200 Elmora Avenue · Elizabeth, N. J.

Please send me a set (__ sets) of **Key Production Facts**

Name Title

Company

Street and Number

City Zone State

IP-12

Because their texture adds depth to your illustrations

HAMILTON
TEXT & COVER PAPERS

are the best-selling text & cover papers in all America!

Illustrations take on an extra dimension when fine printing is married to Hamilton Text & Cover Papers.

You get greater depth, greater realism, because the distinctive finishes actually *blend with* line cuts or halftones, in black and white or color. The texture of a garment, the surface of a machine, the fluffiness of a cloud become so real you can almost feel them.

Hamilton Papers print beautifully. They are pre-humidified and surface sized. They feed well. They have exceptional ink receptivity and unusual opacity.

You have a tremendous variety to choose from. Many different whites and a huge array of colors. Felt, vellum, laid finishes. Ample choice of weights. You can make a selection just right for the piece you're printing.

Make your printing stand out from the ordinary by using Hamilton Text & Cover Papers—the papers that sell products and ideas best. Ask your distributor for swatchbooks, or write direct.

Plan the design with paper in mind

HAMILTON PAPERS

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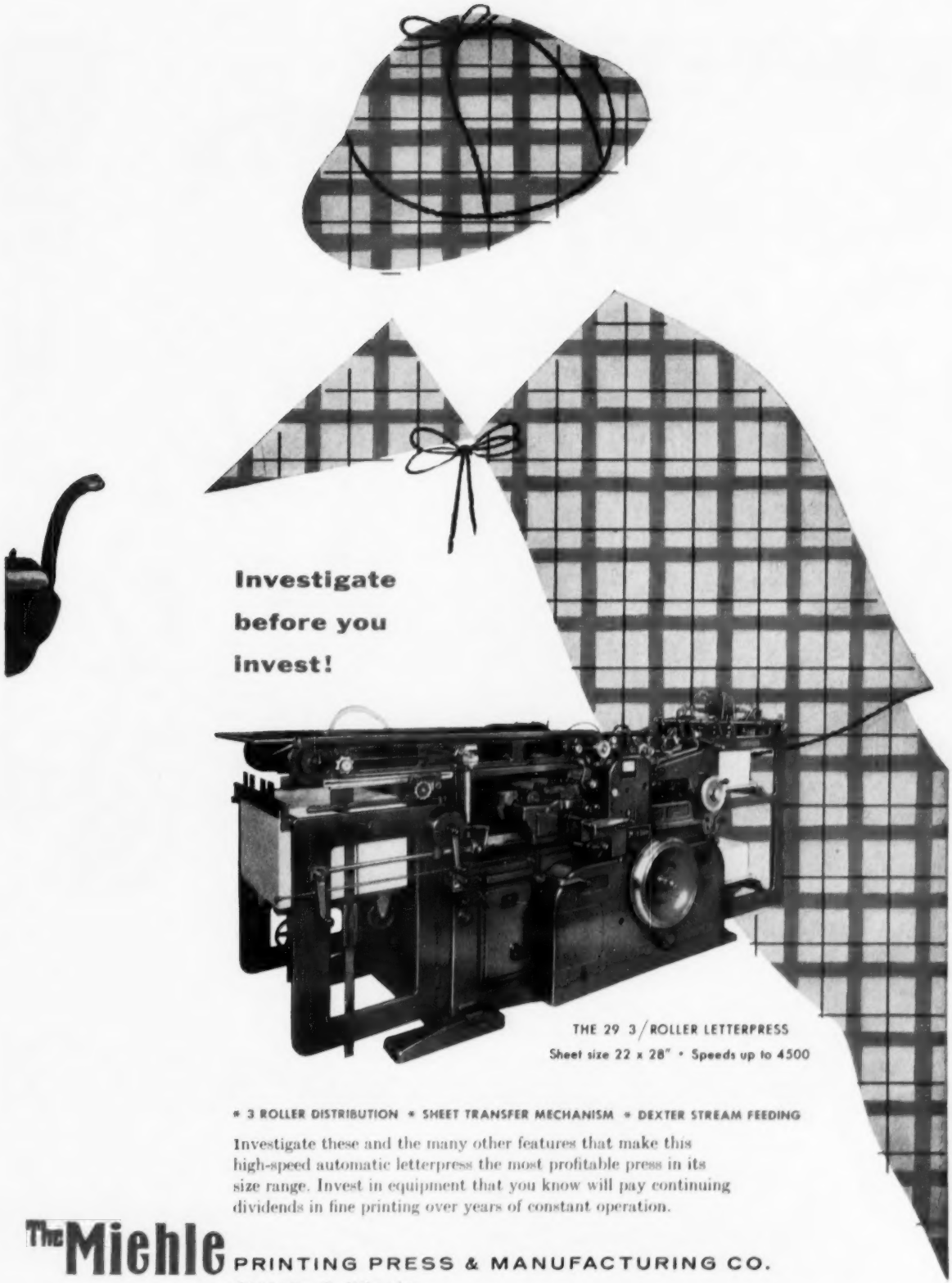
Offices in New York, Chicago, Los Angeles

HAMILTON TEXT & COVER PAPERS include Starwhite • Carousel • Andorra • Victorian • Louvain • Sheffield • Gainsborough • Weycroft • Kilmory • Vellum



The Miehle—Leader among the world's manufacturers of fine printing equipment.

This full-page advertisement has been seen by the readers of *Time* and of *U.S. News & World Report*

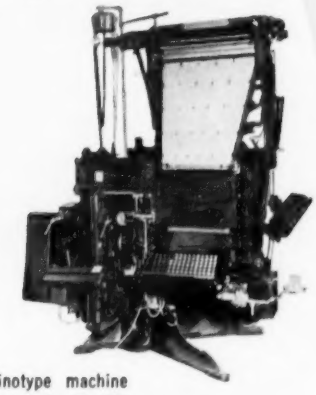
ADVERTISING THAT HELPS YOU SELL

Mead Papers mean business . . . for merchants, merchant-salesmen, printers, lithographers and advertisers. Making Mead Papers unforgettable in the minds of your customers—all who buy and specify paper products—is the job being done through our national advertising. Remember, Mead Papers mean business for you.

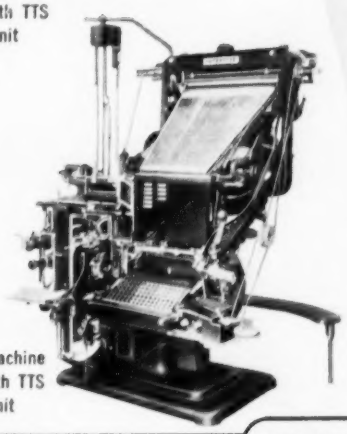
It pays to AUTOMATE your Linecasting Machines with TELETYPESETTER

AUTOMATION

Teletypesetter Perforator



Linotype machine installed with TTS Operating Unit



Intertype machine installed with TTS Operating Unit

Here's why:

1 **DOUBLES OUTPUT** of type. One TTS equipped linecasting machine will give the same production as two manually operated machines, and with only one linecasting machine upkeep.

2 **SOLVES PROBLEM** of finding experienced operators. With a TTS system a good touch-typist sets copy in tape form.

3 **CUTS OVERTIME.** Typist can punch tape at a rate of a galley or more type per hour after just two weeks practice. After six months, most operators can produce 400 or more lines per hour.

4 **VERSATILE COMPOSITION.** With TTS you can easily set run arounds, box scores, centered or flush left subheads, and tabular matter in any column width up to 30 picas.

5 **SIMPLE TO MAINTAIN.** Any machinist of average mechanical ability can easily maintain TTS equipment.

6 **PROVED IN USE.** Teletypesetter has been providing *automation* to daily and weekly newspapers since 1932.

For complete information write:

TELETYPESETTER CORP.
2752 North Clybourn Ave.,
Chicago 14, Illinois

TELETYPESETTER
REG. U. S. PAT. OFF.
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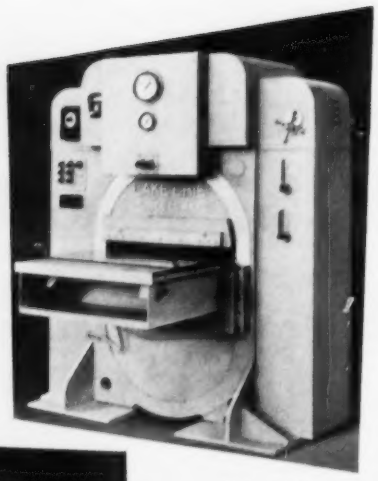
DIRECTOMAT

for direct pressure stereotype mat molding...for commercial, syndicate, daily newspaper and R.O.P. color work.



(above)

800 TON DIRECTOMAT

Recent installations include Philadelphia Bulletin, King Features Syndicate, New York, Roto-Color, Inc. (Pioneer Publishing Company), St. Charles, Illinois, Photo Engravers and Electrotypers, Ltd., Toronto. More than 260 Directomats already serve leading newspapers and commercial plants.

(left)

1000 TON HEAVY DUTY DIRECTOMAT

used by Rapid Grip & Batten Ltd., Toronto, The Milwaukee Journal (2), Chicago Tribune, Denver Post, Detroit News (on order).

The people who use it prove it:

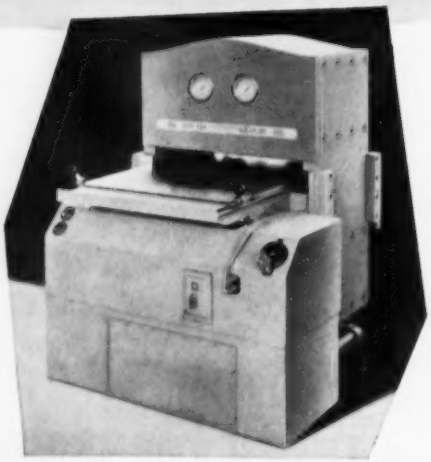
Lake Erie is the best equipment for

DUPLICATE LETTERPRESS PLATE MOLDING

Lake Erie

ACRAPLATE

for rubber and plastic plate molding... five models from 115 to 550 tons with platen sizes from 17"x22" to 36"x44".



270 TON ACRAPLATE

Three companies each have more than 20 ACRAPLATES in service. Five more have from 10 to 20 apiece. Over eighty companies have two or more ACRAPLATES. In all, over 650 ACRAPLATES have been sold.

LAKE ERIE
ENGINEERING CORP.
BUFFALO, N.Y. U.S.A.

WRITE FOR *DIRECTOMAT Bulletin 349 . ACRAPLATE Bulletin 350*

LAKE ERIE ENGINEERING CORPORATION

504 Woodward Avenue, Buffalo 17, New York

Manufacturers of the Most Complete Line of Hydraulic Presses for All Industry

LAKE ERIE® DIRECTOMAT® ACRAPLATE®

WE CONTINUE TO TELL YOUR CUSTOMERS

It pays to plan with your printer!

Nekoosa

PRE-TESTED BUSINESS PAPERS

NEW, EASY-TO-OPEN CARTONS

Whether you order Nekoosa and Ardor Papers in stationery sizes or larger sheets, you'll like our new cartons. Just a pull of the string or tear-strip and off comes the top! Another Nekoosa convenience!

NEKOOSA-EDWARDS PAPER COMPANY, PORT EDWARDS, WISCONSIN

Contact your nearest Brown-Bridge merchant today!

It's Great...

most versatile gummed paper you can use!

flat-as-a-pancake GUMMED PAPERS

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Cleveland Paper Co.
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ALLENTOWN, PA.
G. A. Rinn Paper Co., Inc.
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ATLANTA, GA.
Whitaker Paper Co.
641 Whitehall St., S. W.
Wyant & Sons Paper Co.
121 Courtland St.
BALTIMORE, MD.
Baltimore Paper Co.
106 South St.
Barton, Duer & Koch
415 E. Lombard St.
Bradley Reese Co., Inc.
433 Guilford Ave.
White Rose Paper Co., Inc.
714 E. Pratt St.
BIRMINGHAM, ALA.
Whitaker Paper Co.
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BOSTON, MASS.
Bradford Paper Co.
727 Atlantic Ave.
BRIDGEPORT, CONN.
Equity Paper Co.
640 Knowlton St.
BUFFALO, N. Y.
Franklin-Cowan Paper Co.
210 Ellicott St.
Gebhard Paper Co., Inc.
150 Ellicott St.
BUTTE, MONT.
Ward-Thompson Paper Co.
820 Utah Avenue
CANTON, OHIO
Herrington Paper Co.
4800 Hills & Dales Rd., N. W.
CEDAR RAPIDS, IOWA
Evans Paper Co.
318 First St., S. E.
CHARLOTTE, N. C.
Caskie Paper Co., Inc.
308 E. 4th St.
Virginia Paper Co., Inc.
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CHATTANOOGA, TENN.
Bond-Sanders Paper Co.
1218 Carter St.
CHICAGO, ILL.
Forest Paper Co.
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Marquette Paper Co.
333 W. Lake St.
CINCINNATI, OHIO
The Whitaker Paper Co.
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COLUMBUS, OHIO
Sterling Paper Co.
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E. C. Palmer & Co.
2201 Laws St.
DAYTON, OHIO
Central Ohio Paper Co.
201 E. Sixth St.
The Jack Walkup Paper Co.
401 Hartford St.
DES MOINES, IOWA
Western Newspaper Union
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DETROIT, MICH.
Chope-Stevens Paper Co.
240 Chene St.
ERIE, PA.
Daka Paper Co.
4th & State Sts.
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The Millcraft Paper Co.
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FORT WORTH, TEX.
Southwestern Paper Co.
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GRAND RAPIDS, MICH.
Grand Rapids Paper Co.
Ionia Ave. & Logan
GREEN BAY, WIS.
Steen-Macek Paper Co.
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Century Paper Co.
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KALAMAZOO, MICH.
Bermingham & Prosser Co.
508 E. Frank St.
KANSAS CITY, KAN.
Wyco Paper Co.
511 N. 6th St.
KANSAS CITY, MO.
Bermingham & Prosser Co.
711 May St.
Weber Paper Co.
1310 W. Eighth St.
Wertgame Paper Co.
2015 Grand
KNOXVILLE, TENN.
Southern Paper Co., Inc.
1907 Grand Ave.
LANSING, MICH.
The Dudley Paper Co.
740 E. Shiawassee St.
LINCOLN, NEB.
Western Newspaper Union
22nd & Y Sts.
LITTLE ROCK, ARK.
Western Newspaper Union
Second & Commerce Sts.
LOS ANGELES, CAL.
American Paper Co.
1149 S. Los Angeles St.
California Paper Prod. Co.
1028 N. Alameda
LYNCHBURG, VA.
Caskie Paper Co.
33-37 Cabell St.
MEMPHIS, TENN.
Western Newspaper Union
395 S. Front St.
MENASHA, WIS.
Yankee Paper & Specialty Co.
MILWAUKEE, WIS.
Oshkosh Paper Co.
1037 N. Water St.
Sensenbrenner Paper Co.
126 N. Jefferson St.
Yankee Paper & Specialty Co.
118 N. Jefferson
MINNEAPOLIS, MINN.
C. J. Duffey Paper Co.
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NASHVILLE, TENN.
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Uptown Paper & Envelope Corp.
241 West 64th St.
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1005 Beaver Ave. N.S.
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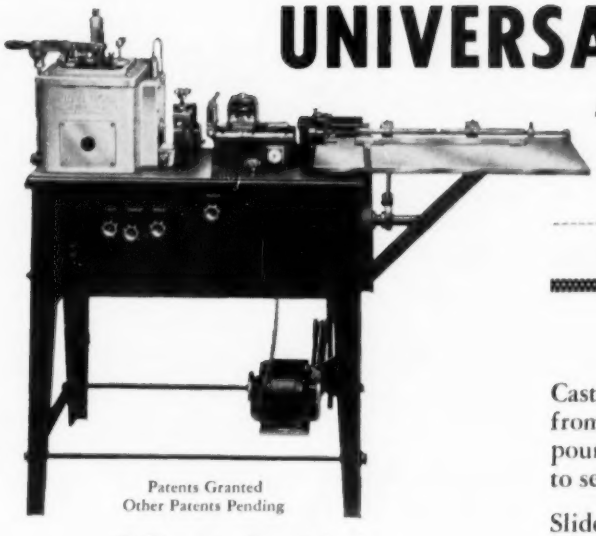
UNIVERSAL STRIP CASTER

is a companion machine of the Broach



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Either Gas or Electric Pot

Casts rule from 2-point to 12-point, leads and slugs from 1-point to 18-point. Casts material up to 100 pounds an hour and more, think of it, it is amazing to see this machine in operation.

Slides (matrix) are interchangeable in molds, you need only one rule mold for a thickness. For the different faces of rule you need only the matrix to go into the mold. Right here is a tremendous saving.

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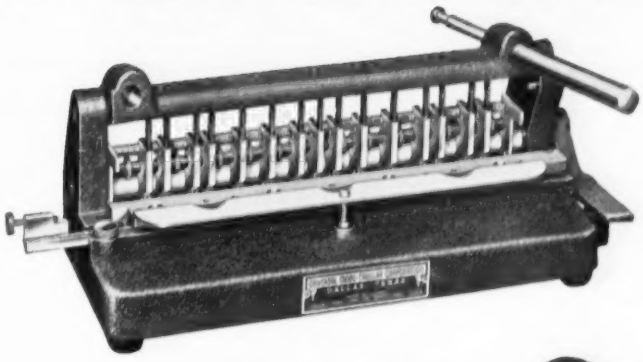
3								
4								
5								
6								
1 PM								



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"We are setting many of our forms two-up, cutting our impressions in half."

"We saved three-fourths of our gathering by setting four-up."

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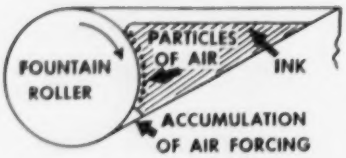
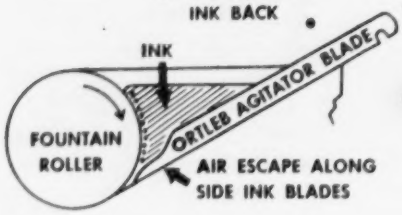
THE CAUSE OF INK NOT FEEDING...

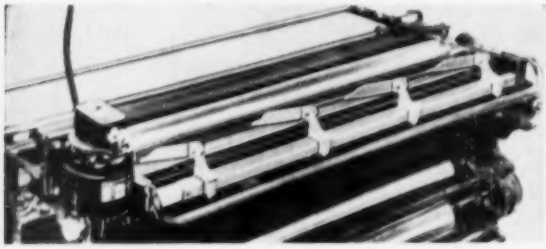


Fountain roller carries air into ink and it accumulates at feeding point, thereby causing ink to back up. When using thin ink, this air may be seen, as air bubbles will form on top of ink when press stops. On heavy bodied ink this air cannot penetrate and thereby causes ink to back up.



By the use of ORTLEB INK AGITATOR blades with a back and forward motion down close to ink roller, air is forced to escape along Agitator blades, allowing ink to feed perfectly, and therefore maintain uniformity of color.

Priced from $195-$250—Co-operable models as low as $130



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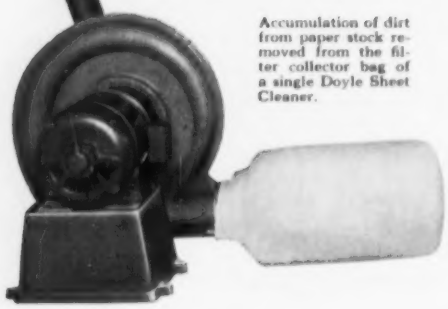
With the Doyle SHEET CLEANER

Patented

Accumulation of dirt from paper stock removed from the filter collector bag of a single Doyle Sheet Cleaner.



• The Doyle Sheet Cleaner removes dirt, dust, lint, loose edges and excess dry spray from the surface of the paper *automatically* as the sheet or web feeds into the press. Keeps forms clean, eliminates picking, filling up of halftones and linting on offset plates.

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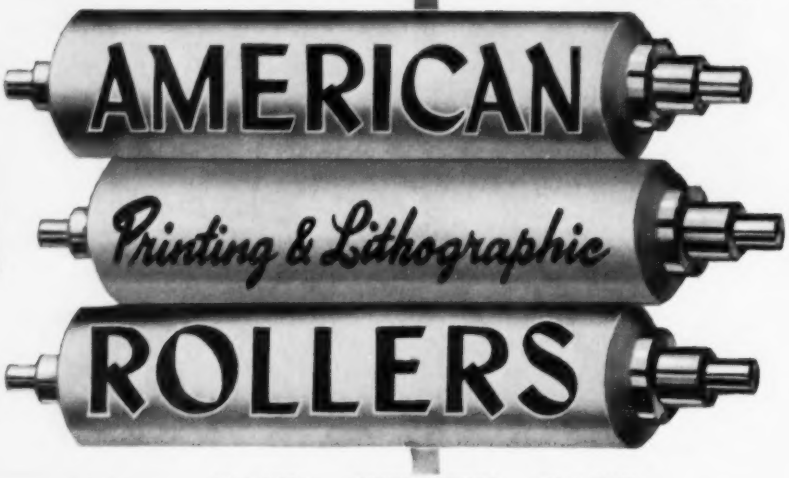

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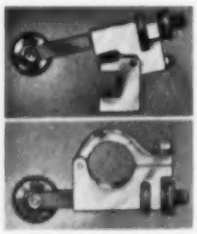

BALL BEARING PERFORATORS—practical, accurate, easy to attach and use. No cut rollers, no ink on perforations.

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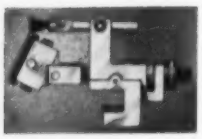

COWAN SLITTERS slit true, at right angles to grippers, on 13 lb. to 150 lb. stock.

COWAN PERFORATING GRIPPERS are positive and accurate . . . allow 100% perforation in printing. Save time, eliminate cut rollers.

MORGAN EXPANSION ROLLER TRUCKS, rubber-tired, give you a quieter pressroom, save ink, rollers, and press repairs.

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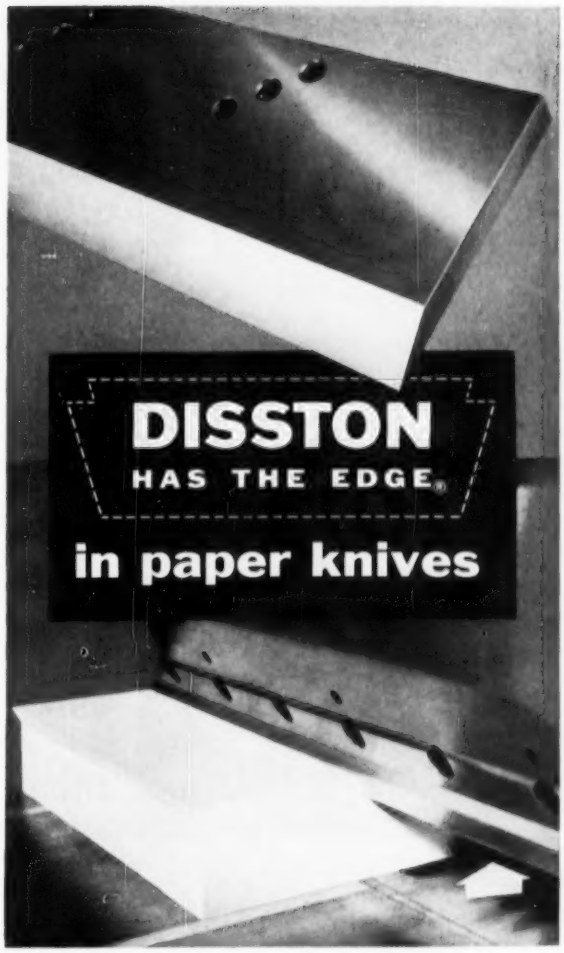

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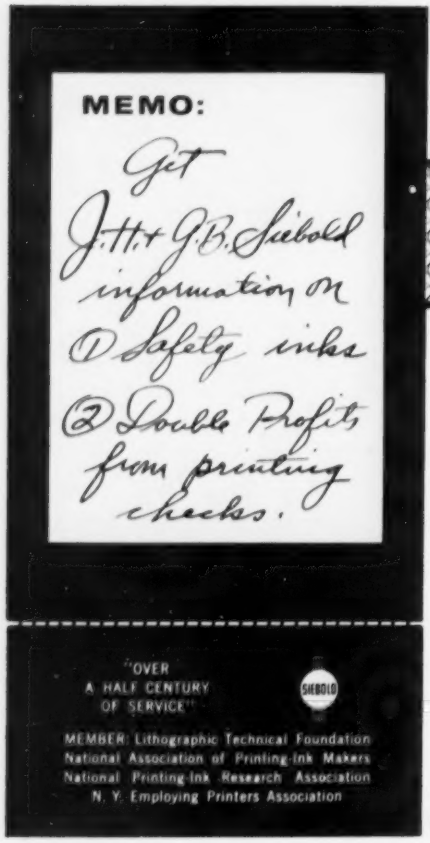

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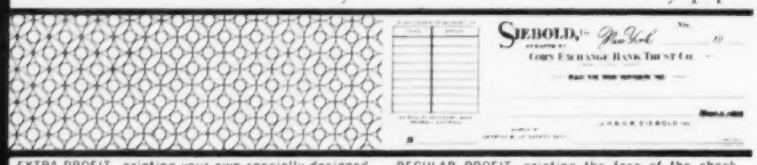
The secret of extra profits available by printing regular stock with Siebold Safety Inks—to make his own safety paper.



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. . . carts quarter-ton of metal in car to help Commercial Printer get out rush job

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It's Veterans Day, but this customer tells me he's on the griddle . . . a lot of composition to be finished "the-day-before-yesterday." He's got to have a thousand pounds of metal. And by eight the next morning.

Mary sighs, sheds her coat and starts watching the parade on TV. I get on the phone . . . finally track down our Blatchford warehouse foreman. At the American Legion Post. He says, "I'll have a truck pick up metal at the warehouse by sun-up."

He's bright and early, next AM, but he's missed the truckman . . . already on his way to make other deliveries. We start lugging pigs out to my car. Five hundred pounds of them.

By 8:05 we've got metal on the feeders . . . and the customer off the hot spot. By a little after nine, the truck arrives with the balance and I leave for . . . but that's another story.

You could write a book about Blatchford Service

Blatchford has more than a century in the metal business. Along the line, Blatchford men have met and solved practically every metal problem a printer can have.

Often our experience and good service proves as important as our good type metal to Blatchford customers. So do Blatchford resources . . . our well-equipped National Lead metal laboratories . . . our nation-wide network of sales and service offices.

So next time *you* need metal, next time *you* need service, do this! Call Blatchford.

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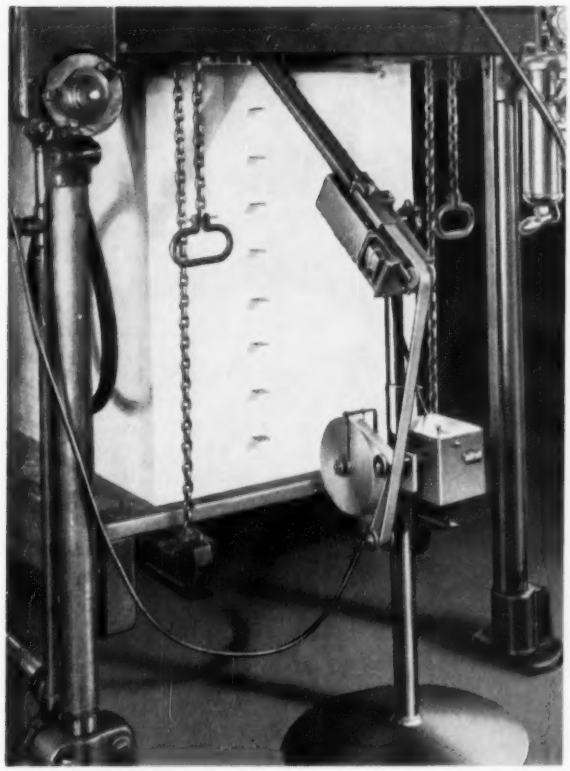
Blatchford . . . for service



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for Press Delivery Skid Loads

- **Eliminates counting time—builds profits.**
- **Fits all press sizes and sheet sizes.**
- **Count set by simple toggle arm selector.**
- **Count easily adjusted for zero start.**
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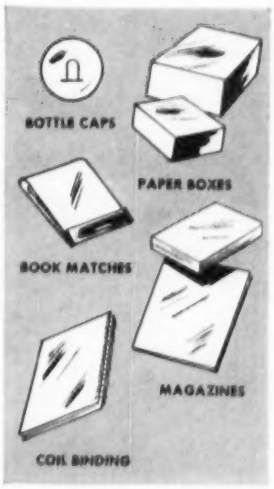

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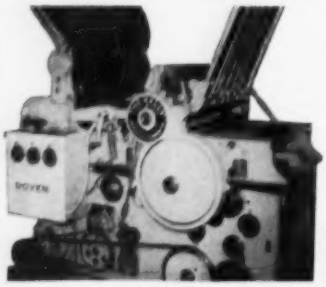

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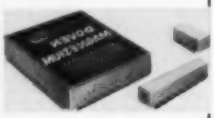

Bases easy to mount under every type plate . . . no warp, shrinkage or breakage. All Sizes. Write Today for Complete Information.

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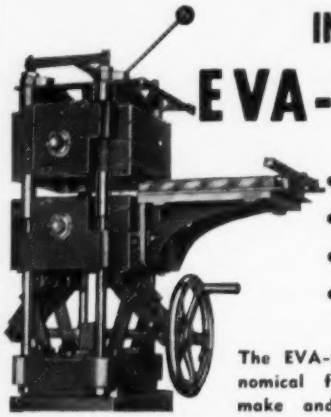
MAKE YOUR OWN RUBBER PLATES IN THE EVA-PRESS



- EASY TO OPERATE
- ECONOMICAL
- PRECISION MADE
- FAST

Available in 110 volt, 220 volt, or other specifications

SPECIFICATIONS
- Plates 11" x 13".
- Inside chase 10" x 12".
- Over 50 tons uniform pressure.
- Electrically heated—thermostatically controlled.
- Requires 17" x 28" floor space.
- Stands 37" high.
- Mounts on bench 23" high.
- Shipping weight 600 lbs.

The EVA-PRESS makes it economical for every printer to make and print from rubber plates. Years of development and testing stand behind every EVA-PRESS. A quality press that makes both matrices and rubber plates. Only 4 minutes actual operator's time; 20 minutes vulcanizing while operator does other work. Makes rubber plates of any desired thickness for use in letterpress and offset presses.

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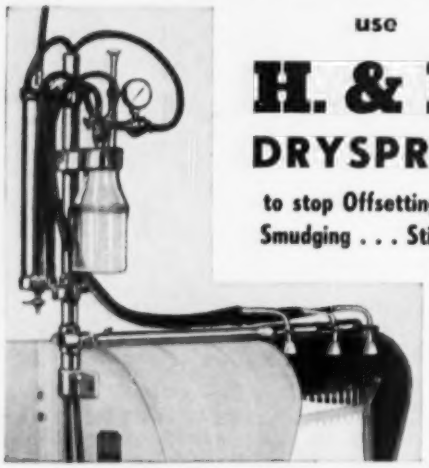
ARE YOU THE VICTIM OF A "SMEAR CAMPAIGN"?

H&H H&H H&H H&H H&H H&H H&H H&H H&H H&H H&H



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Spoilage due to smeary, smudgy offsetting costs printers thousands of dollars every year! STOP this needless waste in your plant—with a low cost H & H DRYSPRAY . . . the unit that has eliminated substantial losses for printers coast to coast. With H & H, you never have unhealthful mist, moving parts requiring cleaning or hard, dried gum. Just clean, sparkling runs every time! Pays for itself in a few month's time!

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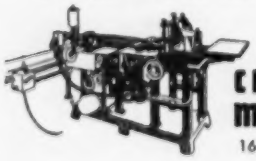

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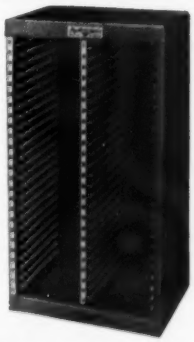

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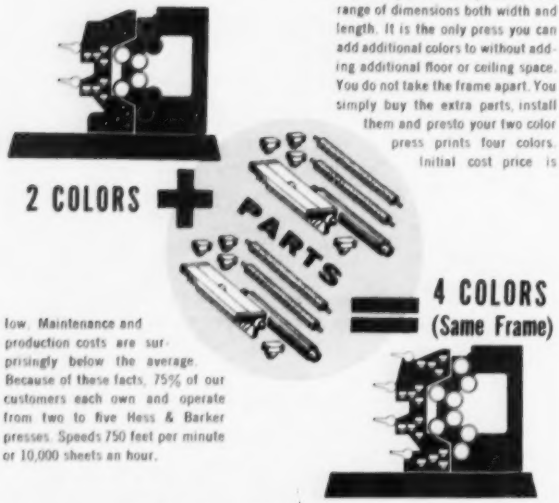

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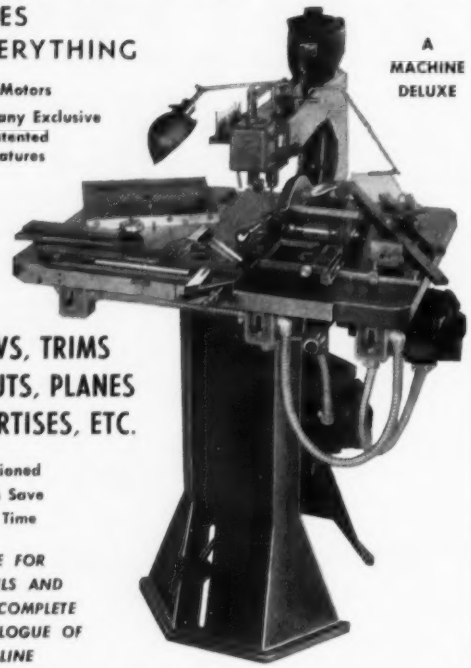

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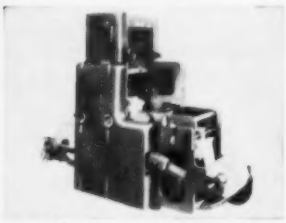

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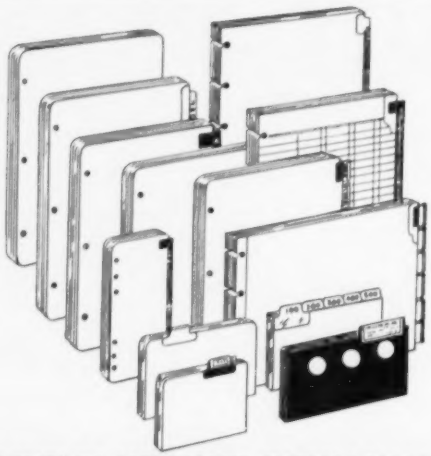

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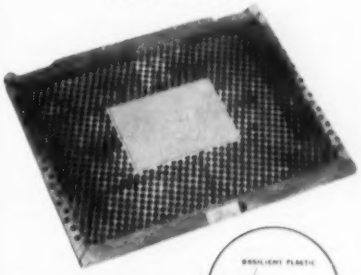

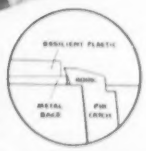

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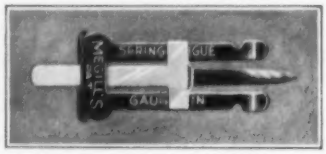

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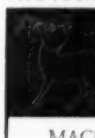

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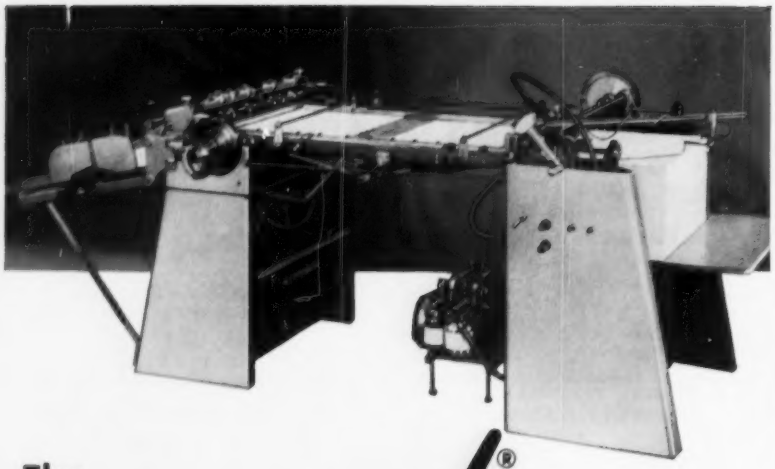

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A few of the important innovations which are incorporated in the Rosback Automatic Slot Perforating Machine are detailed in the box below. Compare your needs with these unusual advantages—you'll find your answer for meeting today's demands for accurate, high-speed slot perforating. For complete information, write for specification sheet or see your Rosback dealer.

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FIRST IMPRESSIONS ARE IMPORTANT

— and the Annual Corporation Report is No Exception to This Rule

TODAY, as never before, the comptroller teams up with the advertising manager, agency or printer in putting out an annual report that will invite reading and make a favorable impression.

That's why, in so many modern report booklets and brochures, of which four excellent examples are shown above, *Buckeye Cover* is the natural cover stock selection.

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THE LAST WORD

BY WAYNE V. HARSHA, EDITOR

★ Since the Christmas season is upon us, it would seem apropos to say something on the subject of Bibles. It will probably rock you but the first Bible printed in this country was not in English! Columbia University has just acquired a copy of it and has sent out some information about it.

The book is the Eliot Indian Bible in its original blind-tooled calf binding, and it was printed by Samuel Green and Marmaduke Johnson. In early Colonial times, they were running the only publishing business in existence when the Reverend John Eliot needed a Bible for use in his religious work with Indian tribes.

Eliot planned the project and saw it through to completion. The New Testament was printed in 1661, the Old Testament in 1663, both in the Algonquin tongue spoken by several tribes. Since they had no written language, English letters were used to reflect the sound of Indian words. Columbia's copy was a gift from Mrs. Seth Low Pierrepont of Ridgefield, Connecticut.

Another newcomer in Columbia's collection of rare books is a King James Bible of 1613 which is notable for its binding. The brown polished leather is simply tooled. Unusually high relief silver portrait medallions of James I and his Queen, Anne of Denmark, form the centerpieces of the two covers.

Bound with this Bible are the "Booke of Common Prayer," John Speed's "The Genealogies," and Thomas Sternhold's and John Hopkins' metrical version of "The Book of Psalmes."

★ THERE'S-NO-BUSINESS-LIKE-THE-PRINTING-BUSINESS DEPARTMENT: Have you heard the one about the printing plant production executive who called frantically from a pay station to report both telephones on his desk were out of order. The telephone repairman investigated, found the receivers had been switched!

★ Like Aesop's fables, this story also has a moral:

A self-styled labor reformer was watching a trench being dug by modern methods. Finally, he walked up to the superintendent and pointed to the steam shovel doing the work. "This machine," he said, "has taken work from scores of men. Why don't you junk it and put a hundred men in that ditch with shovels?"

The superintendent looked at the man and snorted, "Better still, why not put a thousand men in there with teaspoons?"

Is your plant in need of modernization? Look at it this way: The old press costs half as much to run as a new one, but you will get twice the number of impressions per hour on the new one; so this makes the impressions cost the same per thousand. BUT with the new one you get 20 more hours of production each week! *Are you losing this money?*

★ An editor had cause to admonish his son because of the lad's reluctance to attend school.

"You must go every day and learn to be a great scholar," said the fond father. "Otherwise, you can never be an editor, you know. What would you do, for instance, if your magazine came out full of mistakes?"

"Father," was the reply, "I'd blame the printer."

And the father wept with joy, because he knew he had a successor for the editorial chair.

★ Sometimes we stop to think of the future, of what's likely to happen in the next five or ten years in the printing business. After we think we have it all figured out, we are reminded of something Hendrik Willem van Loon once wrote. It's always intrigued us and goes like this:

"High up in the north in the land called Svithjod there stands a rock. It is a hundred miles high and a hundred miles wide. Once every thousand years a little bird comes to this rock to sharpen its beak. When the rock has thus been worn away, then a single day of eternity will have gone by."

★ We've been thinking about what we'd do with all our leisure time if and when the four-day week gets here, but to George Schlegel III, it's a "serious self-created problem." Mr. Schlegel, who is president of Schlegel Lithographing Corp. in New York, recently delivered the last of a month-long series of talks by leaders of the Young President's Organization before the Port Chester (N.Y.) Rotary Club.

"Serious contemplations of the future can result in a good case for a four-day work week without any lowering of our present-day economic levels," Mr. Schlegel said. "We must face this problem of increasing leisure time with the same feeling of responsibility that we use to lick our business problems, even though the ultimate success goal is usually intangible rather than financial. If we don't do this, we will find that we have created a destructive element far beyond anything that our military ingenuity has created. Man can be destroyed mentally as well as physically."

Mr. Schlegel advocated increased attention to adult education and trade school programs. He also suggested greater participation in religious, charitable and child training activities.

"Leisure time should mean personal freedom," Mr. Schlegel declared. "What freedom really means is the right to do as we should to meet the noblest ends of our nature. We should use leisure time and not let leisure time use us."

The idea of the Christmas card is comparatively recent in printing history. This is the world's first Christmas card, printed in London in 1846 for Sir Henry Cole.

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